

**PUNYASHLOK AHILYADEVII HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**



Choice Based Credit System (CBCS)

Name of the Faculty- Humanities

Subject- Economics

Name of the Course- BA II

With effect from June-2020

PUNYASHLOK AHILYADEVJI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

B.A. Part II, ECONOMICS (CBCS Pattern)

Semester Pattern Syllabus

(To be introduced from June 2020)

Preamble and Objectives:

This paper intends to study money, Banking & Public Finance in India. This paper has divided into two parts as Semester III and Semester IV having four units for each semester. The prime objectives of introducing this paper at BA part II are as follows –

1. To introduce the concept of money to the students.
2. To introduce the concept of value of money.
3. To make aware the students with recent trends in commercial banking in India.
4. To make familiar the students with functioning of RBI and different monetary measures in India.
5. To introduce the nature and scope of public finance in India.

Paper III
Money and Banking
Semester – III

| | |
|---|-----------------|
| Unit :1. Money: | 16 Hours |
| 1.1 Barter System- Hurdles in the Barter System | |
| 1.2 Meaning, Evolution of Money. | |
| 1.3 Types of Money | |
| 1.4 Functions of Money. | |
| Unit : 2. Value of money: | 16Hours |
| 2.1 Concept of Value of money. | |
| 2.2 Price index- Construction and Importance | |
| 2.3 Inflation - Meaning and Types | |
| 2.4 Inflation- Causes, Effects and Measures | |
| Unit : 3.Commercial Banking: | 16Hours |
| 3.1 Meaning, Definition, Functions, and Principles of Banking | |
| 3.2 Concepts of ATM, Debit Card, Credit Card, E-Banking. | |
| 3.3 Recommendations of Narasimham Committee (1998) | |
| 3.4 Mergers of Indian Banking- Meaning and Causes | |

Unit: 4. Reserve Bank of India:**16 Hours**

- 4.1 Functions of Reserve Bank of India as a Central Bank
 - 4.2 Methods of Credit Control.
 - 4.3 Role of Reserve Bank of India Since 1991
 - 4.4 Monetary Policy- Meaning and Objectives
-

List of Reference Books:

- 01. Gupta S.B. Monetary Economics, S. Chand and Company, New Delhi.
- 02. Ackley G. MacroEconomics.
- 03. Mithani D.M. - Money Banking.
- 04. De-cock M.H. - Central Banking.
- 05. M.L. Seth - Macro Economics.
- 06. K.P.M .Sundarom - Principles of Economics.
- 07. डॉ. कुरुलकर र. पु.- बैंकिंगतत्त्वे आणि बैंकिंग पध्दती
- 08. देसाई व जोशी- आर्थिक विश्लेषण भाग-2, कॉटीनेटल प्रकाशन
- 09. प्रा. हुंडेकर, प्रा. शहा व डॉ. कदम- मुद्रा, अधिकोषण व सार्वजनिक आयव्यय, अक्षरलों प्रकाशन, सोलापूर
- 10. प्रा. डॉ. बी. एच. दामजी- बैंकिंग आणि वित्तीय बाजारपेठा, फडके प्रकाशन, कोल्हापूर
- 11. प्रा. भोसले, काटे व दामजी- पैसा, बैंकिंग आणि सार्वजनिक आयव्यय, फडके प्रकाशन, कोल्हापूर

Paper - V
Public Finance
Semester - IV

Unit: 1.Public Finance: **16 Hours**

- 1.1 Meaning and Definitions of Public Finance
- 1.2 Distinguish between Public Finance and Private Finance.
- 1.3 Structure of Federal Finance System in India
- 1.4 Principle of Maximum Social Advantage.(Dr. Dalton's Approach)

Unit: 2.Public Expenditure: **16 Hours**

- 2.1 Meaning and Principles of Public Expenditure.
- 2.2 Classification of Public Expenditure
- 2.3 Causes of Growth in Public Expenditure in India.
- 2.4 Effects of Public Expenditure

Unit: 3.Taxation: **16 Hours**

- 3.1 Meaning and Canons of Taxation, Direct and Indirect Taxes, Concept of GST
- 3.2 Ability to Pay Approach of Taxation
- 3.3 Burden of Tax- Impact, Shifting and Incidence of Tax Burden.
- 3.4 Taxable Capacity - Concept, Factors Determining Taxable Capacity.

Unit: 4. Public Debt and Financial Administration: **16 Hours**

- 4.1 Meaning and Sources of Public Debt.
 - 4.2 Causes of Growth in Public Debt of India.
 - 4.3 Effects of Public Debt.
 - 4.4 Budget: Meaning and Kinds.
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List of Reference Books:

01. M.L. Seth : Macro Economics
- 02.K. P.M. Sundaram : Principles of Economics
03. B.P. Tyagi : Public Finance
04. प्रा. डॉ. जे. एफ. पाटील (संवादीत)- सार्वजनिक अर्थकारण, फडके प्रकाशन, कोल्हापूर.
05. प्रा. हुंडेकर, प्रा. शहा व डॉ. कदम- मुद्रा, अधिकोषण व सार्वजनिक आयव्यय, अक्षरलो प्रकाशन, सोलापूर
06. प्रा. डॉ. बी. एच. दामजी- बँकिंग आणि वित्तीय बाजारपेठा, फडके प्रकाशन, कोल्हापूर
07. प्रा. भोसले, काटे व दामजी- पैसा, बँकिंग आणि सार्वजनिक आयव्यय, फडके प्रकाशन, कोल्हापूर

PUNYASHLOK AHILYADEVJI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

B.A. Part II, ECONOMICS (CBCS)

Semester Pattern Syllabus

(To be introduced from June 2020)

Preamble and Objectives:

This paper intends to introduce Demographic Studies and Demography of India. This paper deals with theoretical demography and the characteristics of population in India. This paper also deals with the different theories of population. This paper introduces basic concepts in Demography. This paper has divided into two parts as Semester III and Semester IV having four units for each semester.

The prime objectives of introducing this paper at BA part II are as follows –

1. To make aware the students about the various issues related to population in India.
 2. To highlight various concepts and theories of population.
 3. To enable the students to understand population policy of India.
 4. To introduce various tools and techniques used for Demographic study.
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Paper No. IV

DEMOGRAPHIC STUDIES

Semester - III

Unit 1. Population Studies: 16 Hours

- 1.1 Demography - Concept, Definition, Nature and Scope.
- 1.2 Importance of Demography.
- 1.3 Inter - relationship between Demography and other Social Sciences.
- 1.4 Projection of population- Types and Importance

Unit 2. Sources of Demographic Data in India: 16 Hours

- 2.1 Census- Mechanism, Merits and Demerits
- 2.2 Concept of NFHS (National Family Health Survey)
- 2.3 Civil Registration System - Merits and Demerits.
- 2.4 Demographic Surveys - Merits and Demerits.

Unit 3. Theories of Population: 16 Hours

- 3.1 Malthusian Theory
- 3.2 Optimum Population Theory
- 3.3 Theory of Demographic Transition.
- 3.4 Boserup's Theory of Population

Unit 4. Techniques of Analysis: 16 Hours

- 4.1 Concepts of Birth Rate and Death Rate
 - 4.2 Types of Birth Rate and Death Rate: Crude Birth and Death Rates, Age Specific Birth and Death Rates, Standardized Birth and Death Rates.
 - 4.3 Study of Fertility: Total Fertility Rate. Gross Reproduction Rate, Net Reproduction Rate.
 - 4.4 Factor Affecting on the Fertility Rate
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List of Reference Books:

01. India's Population Problems: Agrawal S.N. & Sinha U.P.
02. Principles of population studies – Bhende Asha, A. Kanitkar Tara
03. Demography – Jhingan, Bhatt & Desai.
04. Population Policy in India- Gandolra & NarayanDas.
05. Population Settlement Development and planning. – Lal K.M.
06. Fundamentals of Demography – Han. Raj.
07. Techniques of Demographic Analysis.- Pathak K. B.& Ram F.
08. Demography- Ptel R.Lox.
09. A Text Basic Demography- ShrivastavaO.S.
10. Census of India- Govt. of India-Reports

11. Principles of population studies.-Mrs. Bhonde andKantkar.
12. Population Projections and their Accuracy- AgrawalU.D.
13. Fertility in India - GulatiS.C.
14. लोकसंख्या- अहिरराव व इतर
15. लोकसंख्या- सौ. कानिटकर तारा व सौ. सुमती कुलकर्णी
16. लोकसंख्याशास्त्र- भोसले- काटे- दामजी
17. जनसंख्याशास्त्र- हंडेकर, शहा, कदम
18. भारतीय अर्थव्यवस्था- भोसले- काटे- दामजी

Paper No. VI
DEMOGRAPHY IN INDIA
Semester –IV

Unit 1.Characterstics of Population in India Since 1951: **16 Hours**

- 1.1 Characteristics of Population in India
- 1.2 Size and Growth of Population
- 1.3 Causes of Rapid Growth in Population in India
- 1.4 Concept of Demographic Dividend

Unit 2. Migration in India: **16 Hours**

- 2.1 Meaning and Nature of Migration
- 2.2 Types of Migration
- 2.3 Causes of Migration
- 2.4 Effects of Migration

Unit 3. Population control measures in India

- 3.1 Family Welfare
- 3.2 Education and Population Control
- 3.3 Women’s Autonomy and Population Control
- 3.4 Socio-economic Measures for Population Control

Unit 4. Population Policy in India: **16 Hours**

- 4.1 Population, Health, Poverty and Environment Linkages in India.
- 4.2 Evolution of Population Policy in India During Planning Period
- 4.3 Women Empowerment: Factors Determining Empowerment of Women In India
- 4.4 National Population Policy (2000)

List of Reference Books:

01. India's Population Problems: Agrawal S.N. & Sinha U.P.
02. Principles of population studies – Bhende Asha, A. Kanitkar Tara
03. Demography – Jhingan, Bhatt & Desai.
04. Population Policy in India- Gandolra & Narayan Das.
05. Population Settlement Development and planning. – Lal K.M.
06. Fundamentals of Demography – Han. Raj.
07. Techniques of Demographic Analysis.- Pathak K. B.& Ram F.
08. Demography- Ptel R. Lox.
09. A Text Basic Demography- Shrivastava O.S.
10. Census of India- Govt. of India-Reports
11. Principles of population studies.-Mrs. Bhonde and Kantkar.
12. Population Projections and their Accuracy- Agrawal U.D.
13. Fertility in India – Gulati S.C.
- 4 14. लोकसंख्या- अहिरराव व इतर
- 5 15. लोकसंख्या- सौ. कानिटकर तारा व सौ. सुमती कुलकर्णी
- 6 16. लोकसंख्याशास्त्र- भोसले- काटे- दामजी
- 7 17. जनसंख्याशास्त्र- हुंडेकर, शहा, कदम
- 8 18. भारतीय अर्थव्यवस्था- भोसले- काटे- दामजी.

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

**B.A. Part II, ECONOMICS (CBCS)
Semester Pattern Syllabus
(To be introduced from June 2020)**

Preamble and Objectives:

This paper is an interdisciplinary paper in economics introduced at BA Part II. This paper has divided into two parts as Semester III and Semester IV having three units for each semester. The prime objectives of introducing this paper at BA part II are as follows–

1. To acquaint the students with cooperative principles.
 2. To make the students familiar with features, importance and benefits of cooperation.
 3. To highlight the role of cooperative movement in the development of economy, especially rural economy.
 4. To enable students to evaluate cooperative movement in India.
 5. To introduce cooperative movement in Maharashtra.
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**Co-operation (I D S)
Semester-III**

Unit: 1. Introduction to Co-operation: 20 Hours

- 1.1 Meaning and Definitions of Co-operation.
- 1.2 Origin of Co-operation in World
- 1.3 Origin of Co-operation in India
- 1.4 Manchester Principles of Co-operation.

Unit: 2. Features & Benefits of Co-operation: 20 Hours

- 2.1 Features of Co-operation.
- 2.2 Benefits of Co-operation.
- 2.3 Role of Co-operation in Rural Development
- 2.4 Role of Government in the Development of Co-operative Movement in India.

Unit: 3. Co-operative Movement in India: 24 Hours

- 3.1 Evaluation of Co-operative Movement in India.
- 3.2 Impact of Globalization on Indian Co-operative Movement.
- 3.3 Recommendations of Vaidyanathan Committee.
- 3.4 Future of Co-operative Movement in India

List of Reference Books:

01. Principles Problems and Practice of Co-operation- Hagela T.N.
02. Theory, History and Practice of Co-operation ---Bedi R.D.
03. Co-operation in India -- Mamoria-Saksena.
04. Co-operative Sector in India---- Sami Uddin—Mahfoozur Rahman.
05. Co-operatives in New Million----- R. Salvaraju.
06. The Theory if Co-operation -----V. Sharda.
07. Co-operation in India ----- Mathur B.S.
08. Recent Trends in the Co-operative Movement in India---- Tyagi R.B.
09. Law and management of co-operatives-Trivedi, B.B.
10. सहकार- शहा/दामजी
11. सहकाराचा विकास- शहा/दामजी
12. सहकार: तत्त्वे व्यवहार- रायखेलकर/डांगे
13. सहकार- भोसले/काटे
14. सहकार: तत्त्वे, व्यवहार आणि व्यवस्थापन- गो.स. कामत
15. सहकाराची मूलतत्त्वे- प्र. रा. कुलकर्णी

Co-operation (I D S)
Semester-IV

Unit:1. Role of National Agencies in the Development of Co-operative Movement: **20 Hours**

- 1.1 National Bank for Agriculture and Rural Development.
- 1.2 National Co-operative Development Corporation.
- 1.3 National Co-operative Union of India.
- 1.4 National Cooperative Marketing Federation

Unit: 2.Credit & Non-Credit Co-operatives in India: **20 Hours**

- 2.1 Credit Co-operatives in India : Structure, Types, Problems
- 2.2 Sugar Co-operatives.- Problems and Prospects
- 2.3 Marketing Co-operatives.- Problems and Prospects
- 2.4 Dairy Co-operatives.- Problems and Prospects

Unit: 3. Co-operative Movement in Maharashtra. **24 Hours**

- 3.1 Progress of Co-operative Movement in Maharashtra.
 - 3.2 Problems of Co-operative Movement in Maharashtra
 - 3.3 Maharashtra Co-operative Societies Act 1960: Registration Membership, Annual General Meeting, Maintenance of Account and Audit.
 - 3.4 Broad Features of Maharashtra Co-operative Societies Act, 1960.
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List of Reference Books:

01. Principles Problems and Practice of Co-operation- Hagela T.N.
02. Theory, History and Practice of Co-operation ---Bedi R.D.
03. Co-operation in India -- Mamoria-Saksena.
04. Co-operative Sector in India---- Sami Uddin—Mahfoozur Rahman.
05. Co-operatives in New Million----- R. Salvaraju.
06. The Theory of Co-operation-----V. Sharda.
07. Co-operation in India ----- Mathur B.S.
08. Recent Trends in the Co-operative Movement in India---- Tyagi R.B.
09. Law and management of co-operatives-Trivedi,B.B.
10. सहकार- शहा/दामजी
11. सहकाराचा विकास- शहा/दामजी
12. सहकार: तत्त्वे व्यवहार- रायखेलकर/डांगे
13. सहकार- भोसले/काटे
14. सहकार: तत्त्वे, व्यवहार आणि व्यवस्थापन- गो.स. कामत
15. सहकाराची मूलतत्त्वे- प्र. रा. कुलकर्णी

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

**B.A. Part II, ECONOMICS (CBCS)
Semester Pattern Syllabus
(To be introduced from June 2020)**

Preamble and Objectives:

This paper is an interdisciplinary paper in economics introduced at BA Part II. This paper has divided into two parts as Semester III and Semester IV having three units for each semester. The labour is an important and peculiar factor of production. The productivity of labour largely depends upon the working conditions and social security benefits he receives. This paper deals with labour problems and social security measures provided by the Government. The prime objectives of introducing this paper at BA part II are as follows—

1. To introduce labour as a factor of production.
 2. To make the students familiar with labour problems and labour market in India.
 3. To introduce the concept of labour welfare and various agencies involved in labour welfare.
 4. To make the students familiar with various labour legislation in India.
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**Labour Welfare (I D S)
Semester-III**

Unit 1.LabourWelfare:

20 Hours

- 1.1 Concept, Definitions & scope of Labour Welfare.
- 1.2 Objectives and Importance of Labour Welfare.
- 1.3 Evolution of Labour Welfare.
- 1.4 Development of Labour Welfare in India.

Unit 2. Labour Problems:

20 Hours

- 2.1 Meaning & Classification of Labour Problems.
- 2.2 Labour Problems in India.
- 2.3 Problems of Child and Women Labours.
- 2.4 Measures to Solve Labour Problems in India.

Unit 3. Labour Market:

24 Hours

- 3.1 Concept and Definition of Labour Market
- 3.2 Nature of Labour Market in India, Demand and Supply of Labour,
Factors Affecting on Demand and Supply of Labour
- 3.3 Characteristic of Labour Market in India
- 3.4 Wage Differential - Meaning, Types & Causes.

List of Reference Books:

01. Bhagoliwal T. N.: Economics of Labour and Social Welfare
 02. Saxena R. C. : Labour problems and Social Welfare
 03. Mamoria C. B. and Doshi S. L.: Labour problems and Social Welfare
 04. Mamoria C. B.: Social problems in India.
 05. Lester – Labour Economics.
 06. डॉ. फडणवीस/डॉ. प्राची देशपांडे- श्रमअर्थशास्त्र
 07. देशमुख प्रभाकर- श्रमअर्थशास्त्र
 08. नेरकर दिलीप- श्रमअर्थशास्त्र
 09. गोखले एस. डी.- कामगार कल्याण
 10. डॉ. पाटील जे. एफ. व ककडे व्ही. बी.- वेतन सिध्दांत
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Labour Welfare (I D S)
Semester - IV

Unit 1. Labour Welfare Agencies: **20 Hours**

- 1.1 Agencies - Government, Employers, Trade Unions
- 1.2 Labour Efficiency - Meaning, Measurement, Factors Determining Efficiency of Labour.
- 1.3 Impact of New Economic Policy on Labour Welfare.
- 1.4 Role of ILO in Labour Welfare.

Unit 2. Social Security: **20 Hours**

- 2.1 Definition, Objectives, Scope.
- 2.2 Social Insurance and Social Assistance.
- 2.3 Beveridge Plan.
- 2.4 Impact of New Economic Policy on Social Security Measures in India.

Unit 3. Social Security Legislation in India: **24 Hours**

- 3.1 Workmen's Compensation Act –1923
- 3.2 Employees State Insurance Act – 1948 & Factories Act-1948.
- 3.3 Employees Provident Fund Act –1952
- 3.4 Maternity Benefit Act–1961 & Bonus Act-1965.

List of Reference Books:

01. Bhagoliwal T. N.: Economics of Labour and Social welfare
 02. Saxena R. C. : Labour problems and Social Welfare
 03. Mamoria C. B. and Doshi S. L.: Labour problems and Social Welfare
 04. Mamoria C. B.: Social problems in India.
 05. Lester – Labour Economics.
 - 06 डॉ. फडणवीस/डॉ. प्राची देशपांडे- श्रमअर्थशास्त्र
 - 07 देशमुख प्रभाकर- श्रमअर्थशास्त्र
 - 08 नेरकर दिलीप- श्रमअर्थशास्त्र
 - 09 गोखले एस. डी.- कामगार कल्याण
 - 10 डॉ. पाटील जे. एफ. व ककडे व्ही. बी.- वेतन सिद्धांत
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Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|---------|---|--|
| 1. | Money, Banking and Public Finance (Sem III Paper III) | Money and Banking (Sem III Paper III) |
| 2. | Money, Banking and Public Finance (Sem IV Paper V) | Public Finance (Sem IV Paper V) |
| 3. | Demography (Sem III Paper IV) | Demographic Studies (Sem III Paper IV) |
| 4. | Demography (Sem IV Paper VI) | Demography in India (Sem IV Paper VI) |
| 5. | Co - Operation (I D S) | Co - Operation (I D S) |
| 6. | Labour Welfare (I.D.S.) | Labour Welfare (I.D.S.) |

Nature of Question Paper

**Nature of Question Paper for Semester Pattern
Faculty of Social Science
(UG/PG Courses)
(w.e.f. June 2020)**

Time –2-00 Hours

Total Marks – 40 Marks

**Instruction – (1) All questions are Compulsory.
(2) Figures to the Rights indicate full marks.**

**Q. 1) Multiple choice questions (Eight) 8 Marks
(With four alternatives)**

**Q. 2) Write short Answer of the following 12 Marks
(Any four out of six)**

Q. 3) Answer any one long type question of the following 10 Marks

A

OR

B

Q. 4) Long answer type question 10 Marks

**PUNYASHLOK AHILYADEVII HOLKAR SOLAPUR
UNIVERSITY, SOLAPUR**



Name of the Faculty: Humanities (Social Sciences)

CHOICE BASED CREDIT SYSTEM

Syllabus: Geography

Name of the Course: B. A. Part-II (Semester -III&IV)

(Syllabus to be implemented from June, 2020)

B. A. II (Sem. III & IV) Geography

CBCS Pattern Syllabus

w.e.f. June- 2020

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Choice Based Credit System (CBCS)

Subject – Geography (Optional)

Course Structure

| Paper No | Name of the Course | Category | Per Week | | | Total Marks | UA | CA | Credit |
|--------------------------------|---|----------|----------|---|---|-------------|----|----|--------|
| | | | L | T | P | | | | |
| B. A. II Semester - III | | | | | | | | | |
| III | Climatology | C 3 | 4 | - | - | 50 | 40 | 10 | 4 |
| IV | Geography of India | C4 | 4 | - | - | 50 | 40 | 10 | 4 |
| | Introduction to Tourism Geography | | 4 | - | - | 50 | 40 | 10 | 4 |
| | Resource Geography of Maharashtra - I | | 4 | - | - | 50 | 40 | 10 | 4 |
| B. A. II Semester - IV | | | | | | | | | |
| V | Economic Geography | C 5 | 4 | - | - | 50 | 40 | 10 | 4 |
| VI | Environmental Geography | C6 | 4 | - | - | 50 | 40 | 10 | 4 |
| | Tourism In India | | 4 | - | - | 50 | 40 | 10 | 4 |
| | Resource Geography of Maharashtra - II | | 4 | - | - | 50 | 40 | 10 | 4 |

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B. A II Semester III

Subject – Geography

Paper No.-III (Geography C3)

Title of the Paper- Climatology

Total Lectures: 60

Objectives:

- To make the students familiar with new terms and concept of climatology.
- To know the constituents of atmosphere and its dynamic nature
- To know the contribution of atmosphere in the making of earth habitable.

Unit I: Atmospheric Composition and Structure 15

- 1.1 Climatology- Meaning and Definition
- 1.2 Elements of Weather and climate
- 1.3 Atmospheric Composition
- 1.4 Atmospheric Structure

Unit II: Insolation and Temperature 15

- 2.1 Factors affecting on Insolation
- 2.2 Distribution of Insolation
- 2.3 Heat Budget
- 2.4 Temperature- Factors, Distribution and Inversion

Unit III: Atmospheric Pressure and Winds 15

- 3.1 Atmospheric Pressure Belts
- 3.2 Planetary Winds
 - 3.3 Forces affecting Winds
 - 3.4 Jet Stream

Unit IV: Atmospheric Moisture and Cyclone 15

- 4.1 Concept of Evaporation and Condensation
- 4.2 Types of Humidity and Precipitation
- 4.3 Climatic Regions (Koppen's)
- 4.4 Tropical Cyclones
- 4.5 Monsoon - Origin and Mechanism

References:

1. Barry R. G. and Carleton A. M., 2001: *Synoptic and Dynamic Climatology*, Routledge,UK.
2. Barry R. G. and Corley R. J., 1998: *Atmosphere, Weather and Climate*, Routledge, NewYork.
3. Critchfield H. J., 1987: *General Climatology*, Prentice-Hall of India, NewDelhi
4. LutgensF.K.,TarbuckE.J.andTasaD.,2009:*TheAtmosphere:AnIntroductiontoMeteorology*, Prentice-Hall, Englewood Cliffs, NewJersey.
5. Oliver J. E. and Hidore J. J., 2002: *Climatology: An Atmospheric Science*, Pearson Education, New Delhi.
6. Trewartha G. T. and Horne L. H., 1980: *An Introduction to Climate*,McGraw-Hill.
7. Gupta L S(2000): *JalvayuVigyan*, Hindi MadhyamKaryanvayNidishalya, Delhi VishwaVidhyalaya, Delhi
8. Lal, D S (2006): *JalvayuVigyan*, PrayagPustakBhavan,Allahabad
9. Vatal, M (1986): *BhautikBhugol*, Central Book Depot,Allahabad
10. Singh, S (2009): *JalvayuVigyan*, PrayagPustakBhawan,Allahabad
11. Singh, S : *Climatology*, PrayagPustakBhawan,Allahabad

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B. A. II Semester III

Subject – Geography

Paper No.-IV (GeographyC4)

Title of the Paper- Geography of India

Total Lectures:60

Objectives:

- To synthesize students with various facts of India viz. Physiography, Climate, Soil, Vegetation and Resources
- To synthesize students with various facts of India viz. Agriculture, Industries, Population, Social and Regionalization of India

Unit I:Physical Set-up

15

- 1.1 Location and Physiographic division of India
- 1.2 General climatic regions
- 1.3 Types of Soil
- 1.4 Types of Natural Vegetation

Unit II: Population

15

- 2.1 Growth of Population
- 2.2 Distribution of Population
- 2.3 Structure of Population- Age and Sex composition

Unit III: Resources and Economic Activities

15

- 3.1 Mineral Resources: distribution and production- Iron ore and Manganese
- 3.2 Power Resources: distribution and production- Coal and Petroleum
- 3.3 Agriculture production and distribution - Rice and Wheat
- 3.4 Industrial development - Automobile and Information Technology

Unit IV: Social and Regionalization of India

15

- 4.1 Distribution of Population by- Religion, Caste, Language and Tribes
- 4.2 Regionalization of India- Physiographic (R. L. Singh) and Economic (Sengupta)

References:

1. Deshpande C. D., 1992: *India: A Regional Interpretation*, ICSSR, NewDelhi.
2. Johnson, B. L. C., ed. 2001. *Geographical Dictionary of India*. Vision Books, NewDelhi.
3. Mandal R. B. (ed.), 1990: *Patterns of Regional Geography – An Intenational Perspective. Vol. 3 – IndianPerspective*.
4. Sdyasuk Galina and P Sengupta (1967): *Economic Regionalisation of India*, Census ofIndia
5. Sharma, T. C. 2003: *India - Economic and Commercial Geography*. Vikas Publ., NewDelhi.
6. Singh R. L., 1971: *India: A Regional Geography*, National Geographical Society ofIndia.
7. Singh, Jagdish 2003: *India - A Comprehensive & Systematic Geography*, GyanodayaPrakashan, Gorakhpur.
8. Spate O. H. K. and Learmonth A. T. A., 1967: *India and Pakistan: A General and Regional Geography*,Methuen.
9. Tirtha, Ranjit 2002: *Geography of India*, RawatPubls., Jaipur & NewDelhi.
10. Pathak, C. R. 2003: *Spatial Structure and Processes of Development in India*. Regional Science Assoc., Kolkata.
11. Tiwari, R.C. (2007) *Geography of India*. PrayagPustakBhawan,Allahabad
12. Sharma, T.C. (2013) *Economic Geography of India*. Rawat Publication,Jaipur

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B. A. II Semester IV

Subject – Geography

Paper No- V (GeographyC5)

Title of the Paper- Economic Geography

Total Lectures: 60

Objectives:

- To acquaint the students with economic activities i.e. Agriculture, Manufacturing, Transport, Trade and Services.
- To acquaint the students with economic activity models.

Unit I: Introduction of Economic Geography and Economic Activity 15

- 1.1 Definition of Economic Geography
- 1.2 Classification of Economic Activity
- 1.2 Factors Affecting location of Economic Activity
- 1.3 Agriculture Land Use Model- Von Thunen
- 1.4 Industrial Location Theory- Alfred Weber

Unit II: Primary Activities 15

- 2.1 Subsistence and Commercial Agriculture
- 2.2 Forestry
- 2.3 Fishing and Mining

Unit III: Secondary Activities 15

- 3.1 Manufacturing- Cotton Textile and Iron and Steel
- 3.2 Concept of Manufacturing Regions
- 3.3 Special Economic Zones and Technology Parks

Unit IV: Tertiary Activities 15

- 4.1 Transportation
- 4.2 Trade and Services

Reference:

1. Alexander J. W., 1963: *Economic Geography*, Prentice-Hall Inc., Englewood Cliffs, New Jersey.
2. Coe N. M., Kelly P. F. and Yeung H. W., 2007: *Economic Geography: A Contemporary Introduction*, Wiley-Blackwell.
3. Hodder B. W. and Lee Roger, 1974: *Economic Geography*, Taylor and Francis.
4. Combes P., Mayer T. and Thisse J. F., 2008: *Economic Geography: The Integration of Regions and Nations*, Princeton University Press.
5. Wheeler J. O., 1998: *Economic Geography*, Wiley..
6. Durand L., 1961: *Economic Geography*, Crowell.
7. Bagchi-Sen S. and Smith H. L., 2006: *Economic Geography: Past, Present and Future*, Taylor and Francis.
8. Willington D. E., 2008: *Economic Geography*, Husband Press.
9. Clark, Gordon L.; Feldman, M.P. and Gertler, M.S., eds. 2000: *The Oxford*

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B. A. II Semester IV

Subject – Geography

Paper No- VI (Geography C 6)

Title of the Paper- Environmental Geography

Total Lectures: 60

Objectives:

- To acquaint students with concept of environmental geography.
- To study the relation between human and environment.
- To introduce the students with environmental problems, programmes and policies.

Unit I: Introduction 15

- 1.1 Definition of Environmental Geography
- 1.2 Nature of Environmental Geography
- 1.3 Scope of Environmental Geography
- 1.4 Importance of Environmental Geography

Unit II: Human and Environment Relationships 15

- 2.1 Historical Progression
- 2.2 Adaptation in different Biomes

Unit III: Ecosystem 15

- 3.1 Concept of Ecosystem
- 3.2 Structure of Ecosystem
- 3.3 Functions of Ecosystem

Unit IV: Environmental Problems, Programmes and Policies 15

- 4.1 Environmental Problems – Tropical, Temperate and Polar Ecosystems
- 4.2 Environmental Programmes and Policies – Global, National and Local levels

References:

1. Chandna R. C., 2002: *Environmental Geography*, Kalyani, Ludhiana.
2. Cunningham W. P. and Cunningham M. A., 2004: *Principals of Environmental Science: Inquiry and Applications*, Tata Macgraw Hill, New Delhi.
3. Goudie A., 2001: *The Nature of the Environment*, Blackwell, Oxford.
4. Singh, R.B. (Eds.) (2009) *Biogeography and Biodiversity*. Rawat Publication, Jaipur
5. Miller G. T., 2004: *Environmental Science: Working with the Earth*,

Thomson BrooksCole, Singapore.

6. MoEF, 2006: *National Environmental Policy-2006*, Ministry of Environment and Forests, Government of India.
7. Singh, R.B. and Hietala, R. (Eds.) (2014) *Livelihood security in Northwestern Himalaya: Case studies from changing socio-economic environments in Himachal Pradesh, India*. *Advances in Geographical and Environmental Studies*, Springer
8. Odum, E. P. et al, 2005: *Fundamentals of Ecology*, Cengage Learning India.
9. Singh S., 1997: *Environmental Geography*, Prayag Pustak Bhawan, Allahabad.
10. UNEP, 2007: *Global Environment Outlook: GEO4: Environment For Development*, United Nations Environment Programme.
11. Singh, M., Singh, R.B. and Hassan, M.I. (Eds.) (2014) *Climate change and biodiversity: Proceedings of IGU Rohtak Conference, Volume 1*. *Advances in Geographical and Environmental Studies*, Springer
12. Singh, R.B. (1998) *Ecological Techniques and Approaches to Vulnerable Environment*, New Delhi, Oxford & IBHPub..
13. Singh, Savindra 2001. *Paryavaran Bhugol*, Prayag Pustak Bhawan, Allahabad. (in Hindi)

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B. A. II Semester III

Subject – Geography

I.D.S. (Generic Elective I)

Title of the Paper- Resource Geography of Maharashtra–I

Total Lectures: 60

Objectives:

- 1) To understand the regional approach of Maharashtra State in geographical sense
- 2) To examine use and misuse of various resource in Maharashtra and to analyze future prospects
- 3) To study various methods and approaches of conservation and management of Natural resources in Maharashtra.
- 4) To understand the concept of sustainable and integrated resource and its application.

Unit I: Introduction

15

- 1.1 Location of Maharashtra
- 1.2 Physiography
- 1.3 Climate
- 1.4 Drainage Pattern

Unit II :Resources

15

- 2.1 Definition and Classification of resources
- 2.2 Conservation and sustainable development of resources
- 2.3 Role of resources in regional development

Unit III :Mineral and power resources in Maharashtra

15

Importance, Distribution and Production of

- 3.1 Manganese
- 3.2 Coal
- 3.3 Conventional Power Resources: Oil, Natural Gas, Hydroelectricity & Thermal power
- 3.4 Non- conventional Power Resource – Solar and Wind

Unit IV :Water and Soil Resources in Maharashtra

15

- 4.1 Sources of irrigation and distribution
- 4.2 Water Management
- 4.3 Major soil types and their distribution
- 4.4 Need of conservation and sustainable development of soil resources.

References:

1. B. Arunchalm, Regional Geography of Maharashtra
2. B.D. Nag Choudhary, "Introduction to Environment Management" Inter PrindMehata House, New Delhi.
3. Bruce Mitchell "Geography and resources analysis" John Willey and sons, New York.
4. C.D. Deshpande, "Geography of Maharashtra" National book Trust of India, New Delhi.
5. Cutler L, Renwick H.L. Exploitation conservation and preservation : A Geographical perspective and natural resource use, Rowmon and Allanhed, Towata.
6. Govt. of Maharashtra "Economic development of Maharashtra." (Maharashtra Economic Development Council)
7. Karve "Maharashtra – Land and People
8. Dixit K.R., "Maharashtra in Maps"
9. Matthews O.P., "Water resources Geopgraphy and Laow, Scientific Publishers, Jodhapur.
10. Deshpande, S.H. "Economy of Maharashtra"

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B. A. II Semester IV

Subject – Geography

I.D.S. (Generic Elective II)

Title of the Paper- Resource Geography of Maharashtra - II

Total Lectures: 60

Objectives:

- 1) To understand the regional approach of Maharashtra State in geographical sense
- 2) To examine use and misuse of various resource in Maharashtra and to analyze future prospects
- 3) To study various methods and approaches of conservation and management of Natural resources in Maharashtra.
- 4) To understand the concept of sustainable and integrated resource and its application.

Unit I :Forest Resources in Maharashtra

15

- 1.1 Importance of forest resources
- 1.2 Types and Distribution of forest
- 1.3 Deforestation causes and effects
- 1.4 Conservation of forest resource

Unit II: Animal Husbandry and Fisheries in Maharashtra

15

- 2.1 Types of animals and their distribution
- 2.2 Animals production (milk, meat, skin, hide, wool, eggs)
- 2.3 Conservation of Animals
- 2.4 Types of fisheries and their distribution
- 2.5 Conservation of fisheries

Unit III: Human resource in Maharashtra

15

- 3.1 Man as a resource
- 3.2 Growth of population
- 3.3 Distribution of population
- 3.4 Composition of population
- 3.5 Population pressure on resources in Maharashtra

Unit IV: Practical (Theory only)

15

- Resource survey
- 4.1 Water
 - 4.2 Soil
 - 4.3 Population
 - 4.4 Animal

References:

1. B. Arunchalm, Regional Geography of Maharashtra
2. B.D. Nag Chaudhary, "Induction to Environment Management" Inter Print Mehata House, New Delhi.
3. Bruce Mitchell "Geography and resources analysis" John Willey and sons, New York.
4. C.D. Deshpande, "Geography of Maharashtra" National Book Trust of India, New Delhi.
5. Cutler L, Renwick H.L. Exploitation conservation and preservation : A Geographical perspective and natural resource use, Rowman and Allanheld, Towata.
6. Govt. of Maharashtra "Economic development of Maharashtra." (Maharashtra Economic Development Council)
7. Karve "Maharashtra – Land and People
8. Dixit K.R., "Maharashtra in Maps"
9. Matthews O.P., "Water resources Geography and Laow, Scientific Publishers, Jodhapur.
10. Deshpande, S.H. "Economy of Maharashtra"

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B. A. II Semester III

Subject – Geography

I.D.S. (Generic Elective I)

Title of the Paper- Introduction to Tourism Geography

Total Lectures: 60

Objectives:

- 1. To acquaint the student with basic concept of Tourism Geography.**
- 2. To understand the factor affecting the Tourism Geography.**
- 3. To familiarize the classification, marketing, infrastructure & impact of Tourism**

Unit I: Introduction to Tourism Geography

1.1 Definition, Nature and Scope of tourism geography

1.2 Importance of tourism geography

1.3 Recent Trends in tourism geography : Ecotourism , Agro Tourism

Unit II. Factors Affecting on tourism Development

2.1 Physical Factors: Relief, Climate , Vegetation Wild Life, water Bodies

2.2 Socio Cultural Factors : Religion, Historical , Cultural and Sports

2.3 Economical Factors : Transportation, Industry , Hotel And Accommodation

Unit III. Classification of Tourism and tourism Marketing

3.1 Classification Of Tourism Based On:

Nationality: International, Domestic

Time:Long Term, Short Term, Holiday Tourism, Day Trippers

Distance:Global, Continental, Regional, and Local

Number of Tourist – Groups, Individual

Mode of Transportation – Road,Railway, Air Way And Water Way

Purpose of Travels – Recreation, Realigns, Health, Sport

3.2 Marketing of Tourism:Tourism product and services, Characteristics of Tourism Marketing.

3.3 Function of Tourism marketing:Marketing Research, Advertisement, and Sale Support PublicRelation, Tourism Publication

Unit IV

(A) Infrastructure and support service

4.1 Transportation Mode - Road , Railway , Air Way And Water Way

4.2 Agencies and guides

4.3 Accommodation type – Hotel, Motels, Dharmashala, Government Accommodation, tourist Houses, Youth Hostel, Tent, house Boat, Private Accommodation, Resort

(B) Impact of Tourism

1. Impact On Physical Environment : Air And Water Pollution, Solid Waste And Its Littering, Loss Of Bio- Diversity
2. Impact On Economy: Growth Of Economy, Employment Generation, Infrastructure Development
3. Impact On Social Environment: Crime, Cultural encroachment

References:

| | | |
|----|---|-----------------|
| 1 | International Tourism | A.K. Bhatia |
| 2 | Tourism Development | A.K. Bhatia |
| 3 | India- A Tourism Paradise | Dev. Manoj |
| 4 | Development of Tourism and Travel Industry | DharPremnath |
| 5 | Tourism Development and Resource Conservation | NegiJagmohan |
| 6 | Tourism Development | Pearce Dongas |
| 7 | Geography of Tourism | Robinson R. |
| 8 | Tourism Marketing | Sharma K. C. |
| 9 | Geography Of Tourism and Recreation | ShetPran |
| 10 | Infrastruction of Indian Tourism | Sings Ratandeep |
| 11 | Introduction to Tourism | Dr. Nayab Z. A. |

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B. A. II Semester IV

Subject – Geography

I.D.S.(Generic Elective II)

Title of the Paper: Tourism in India

Total Lectures: 60

Objectives:

1. To acquaint the student with basic concept of Tourism development in India.
2. To familiarize the student about Geographical, Historical, Religious and cultural Tourist Places in India.
3. To prepare the students for the Tourism planning.

Unit I: Tourism Development in India:

- 1.1 Historical Background
- 1.2 Development after Second World War
- 1.3 Role of Tourism in National Economy

Unit II : Geographical and Historical Places in India

- 2.1 **Geographical Tourist Places:-**Hill Stations, Sanctuaries and National parks, Lakes & Beaches
- 2.2 **Historical Places:-**Fort cities, Capital Cities

Unit III : Planning of Tourism

- 3.1 Concept of Tourism Planning
- 3.2 National Planning
- 3.3 Regional Planning
- 3.4 Local Planning
- 3.5 Problems of Tourism Planning

Unit IV: A) Religious and cultural Tourist places in India:

- 4.1 Hindu Religious centers
- 4.2 other Religious centers
- 4.3 Cultural centres

B) Tourist places in Solapur District:

- Religious, Historical.
- Major fairs (Yatra and Pandharpurwari)

References:

| Sr. No. | Name of the Book | Name of the Author |
|----------------|---|---------------------------|
| 1 | Tourism Development | A. K. Bhatia |
| 2 | India- A Tourism Paradise | Dev. Manoj |
| 3 | Development of Tourism and Travel Industry | DharPramnath |
| 4 | Tourism in India | Gupta V.N. |
| 5 | Tourism development and Resource Conservation | NegiJagmohan |
| 6 | Tourism Development | Pearce Dongas |
| 7 | Geography of Tourism | Robinson R. |
| 8 | Tourism Policy, planning strategy | Sharma K.C. |
| 9 | Enllessful Tourism management | Shetpran |
| 10 | Principal of Indian Tourism | Singh shawni |
| 11 | Geography of Tourism and Recreation | Singh S.N. |
| 12 | Tourism Today Vol.-I | Singh Ratandeeep |
| 13 | ParyatanBhugol | Shinde S.B. |
| 14 | ParyatanBhugol | Gharpure V.T. |
| 15 | Tourism in India | Dr. Nayab Z.A. |

**PUNYASHLOK AHILYADEVII HOLKAR SOLAPUR UNIVERSITY,
SOLAPUR**



NAAC Accredited-2015
'B' Grade (CGPA 2.62)

Name of the Faculty-

Humanities

Syllabus-

History (CBCS)

Name of the Course-

B.A.II

With effect from -

June,2020

Objectives of the Course

***History Modern Europe (1750 – 1871 A.D.)**

To acquaint the student with the socio-economic and political development in other countries. And understand the contemporary Europe in the light of its background History. Become aware of the principles, forces, processes and problems of the recent times. Highlight the rise and growth of Nationalism as a movement in Europe and world.

***History of Indian Freedom Movement (1857 - 1950 A.D.)**

To introduce the Indian Freedom Movement in broad manner .Modern India owes a lot to the legacy of India's Freedom struggle. This course will help the students to understand the major events of India's freedom struggle, its legacy and its contribution to the making of modern India. To instil the spirit of Nationalism among students.

***History of Social Reforms in Maharashtra (1818 – 1970 A.D.)**

To acquaint the students with social change process in modern Maharashtra.To generate curiosity to detail study the work of social reformers.During the 19th and 20th centuries a series of social reform movements took place in Maharashtra and India. This reform movement advocated in supported changes in the traditional Indian society. They propagated the values of social justice and equality. They advocated the abolition of caste system and supported the emancipation of women. This course has been framed to make the students aware of this social reform movement and their contribution in Maharashtra.

B.A.PART – II
History Paper No – III
History Modern Europe (1750 – 1871 A.D.)

Revised Syllabus (w.e.f. June 2020)

Semester – III

Credits:Theory 04

Theory Lectures45 +Tutorial 15 Total =60

| | | |
|-------------------|---|-----------|
| Unit – I | Industrial Revolution | 14 |
| | A) Causes | |
| | B) Course | |
| | C) Effects | |
| Unit – II | French Revolution, 1789 | 16 |
| | A) Causes | |
| | B) Course | |
| | C) Effects | |
| Unit – III | Napoleon Bonaparte | 16 |
| | A) Rise of Napoleon Bonaparte | |
| | B) Napoleon’s Reforms | |
| | C) Conquests, Continued policy and Downfall | |
| Unit – IV | Age of Metternich | 14 |
| | A) Vienna Congress, 1815 | |
| | B) Life and work of Metternich | |
| | C) Concert of Europe | |

List of Reference Books –

- 1) Cipolla C.M. – Fontana Economic History of Europe
- 2) Charles Downer Hazen – Modern Europe up to 1945
- 3) David Thomson – Europe since Napoleon
- 4) Hobsbawm Eric – The Age of Revolution : Europe 1789 – 1848
- 5) Lefebvre George – Coming of the French Revolution
- 6) Peter Mathias – First Industrial Revolution
- 7) Rao B.V. – History of Modern Europe (1789 - 1992)
- 8) Soboul Albert – History of the French Revolution

- 9) Will Durant – The age of Napoleon
- 10) Wood Anthony – History of Europe 1815 – 1960
- ११) आठवले सदाशिव - अर्वाचीन युरोप, कॉन्टिनेंटल प्रकाशन
- १२) ओतुरकर, महाजन - जगाचा संक्षिप्त इतिहास, पुणे विद्यार्थी गृह, १९७४
- १३) कोलारकर श.गो. - युरोपचा इतिहास, मंगेश प्रकाशन
- १४) गायकवाड, कदम, सुर्यवंशी - आधुनिक युरोपचा इतिहास, राविल पब्लिकेशन, सातारा, १९७२
- १५) मारडीकर मदन - आधुनिक युरोपचा इतिहास, विद्या बुक्स
- 16) तळवळकर गोविंद - बदलता युरोप, मॅजेस्टिक प्रकाशन, १९९१
- 17) वैदय सुमन - आधुनिक जग १८१४ - १९१४, साईनाथ प्रकाशन, नागपूर
- 18) शिरगावकर शरावती - आधुनिक युरोप, विद्या प्रकाशन, १९७८

B.A.PART – II
History Paper No – V
History of Modern Europe (1750 – 1871 A.D.)

Revised Syllabus (w.e.f. June 2020)

Semester – IV

Credits:Theory 04

Theory Lectures45 +Tutorial 15 Total =**60**

| | | |
|-------------------|-----------------------------------|-----------|
| Unit – I | Revolutionary Movements | 16 |
| | A) French Revolution, 1830 A.D. | |
| | B) France between 1830 –1848 A.D. | |
| | C) French Revolution, 1848 A.D. | |
| Unit – II | Napoleon III | 14 |
| | A) Internal Policy | |
| | B) External policy | |
| | C) Evaluation of Napoleon III | |
| Unit – III | Unification Movements | 15 |
| | A) Unification of Italy | |
| | B) Unification of Germany | |
| Unit – IV | Modern Concepts | 15 |
| | A) Imperialism | |
| | B) Nationalism | |
| | C) Socialism | |

List of Reference Books –

- 1) Charles Downers, Hazen – Modern Europe up to 1945
- 2) David Thomson – Europe since Napoleon
- 3) Evans J. – The Foundations of Modern state in 19th century Europe
- 4) Hamerow T.S. – Restoration, Revolution and Reaction :
Economics and politics in Germany (1815 - 1871)
- 5) Hobsbawn Eric – The Age of Revolution : Europe 1789 – 1848
- 6) Peter Jones – The 1848 Revolution
- 7) Rao B.V. – History of Modern Europe (1789-1992)

- 8) Robert Gildea – Barricdes and borders : Europe 1800 – 1914
- 9) Taylor J.P. – The struggle for Mastery in Europe
- 10) Webster C.K. – The congress of Vienna 1814 – 15
- 11) Wood Anthony – History of Europe 1815 – 1960
- 12) आठवले सदाशिव - अर्वाचीन युरोप, कॉन्टिनेंटल प्रकाशन
- १३) ओतुरकर, महाजन - जगाचा संक्षिप्त इतिहास, पुणे विद्यार्थी गृह, १९७४
- १४) कुलकर्णी, फडके - आधुनिक युरोप
- १५) केळकर न.चि. - गॅरिबॉल्डी
- १६) कोलारकर श.गो. - युरोपचा इतिहास, मंगेश प्रकाशन
- १७) गायकवाड, कदम, सुर्यवंशी - आधुनिक युरोपचा इतिहास, राविल पब्लिकेशन, सातारा, १९७२
- १८) मारडीकर मदन - आधुनिक युरोपचा इतिहास, विद्या बुक्स
- १९) तळवळकर गोविंद - बदलता युरोप, मॅजेस्टिक प्रकाशन, १९९१
- 20) वैदय सुमन - आधुनिक जग १८१४ - १९१४, साईनाथ प्रकाशन, नागपूर
- 21) सावरकर वि.दा - जोसेफ मॅझिनी, स्वातंत्र्यवीर सावरकर राष्ट्रीयस्मारक ट्रस्ट
- 22) शिरगावकर शरावती - आधुनिक युरोप, विद्या प्रकाशन, १९७८

B.A.PART – II
History Paper No – IV
History of Indian Freedom Movement (1857 - 1950 A.D.)

Revised Syllabus (w.e.f.June2020)

Semester – III

Credits:Theory 04

Theory Lectures45 +Tutorial 15 Total =60

| | | |
|-------------------|--|-----------|
| Unit – I | Revolt of 1857 | 16 |
| | A) Background and causes | |
| | B) Course and failure | |
| | C) Effects | |
| Unit – II | Socio – Religious Movements | 14 |
| | A) BrahmoSamaj | |
| | B) AryaSamaj | |
| | C) SatyashodhakSamaj | |
| Unit – III | Indian Nationalism | 14 |
| | A) Rise and Development of Nationalism | |
| | B) Foundation of Indian National Congress | |
| | C) Work of Moderates | |
| Unit – IV | Era of Extremist and LokmanyaTilak | 16 |
| | A) Rise of Extremist | |
| | B) Partition of Bengal and Swadeshi Movement | |
| | C) Home Rule Movement | |

List of Reference Books –

- 1) Bipin Chandra – Indias struggle for Independence, Penguin, New Delhi
- 2) Bipin Chandra - Frredom struggle, National Book Trust, New Delhi
- 3) Chaudhari S.B. – Civil Rebellion in the Indian Mutiries 1857 – 59
- 4) Desai A.R. – Social Background of Indian Nationalism, Popular Book Depot, Bombay
- 5) Dodwell H.H. (ed) – The Cambridge History of India, S.Chand, Delhi.
- 6) Dutt R.P. – India Today, People’s Publishing House, Bombay
- 7) Dutt R.C. – The Economic History of India Under Early British Rule, Trubner& Co. London
- 8) Datta K.K. – Social History of Modern India, Macmillan, New Delhi.

- 9) Grover B.L., Grover S. – Modern Indian History
- 10) Gopal Ram – British Rule in India
- 11) Heimsath Charles – Indian Nationalism and Hindu social Reform.
- 12) Joshi P.C. (ed) – Rebellion 1857: A Symposium, Peoples Publishing
- 13) Joshi V.C. (ed) – Rammohan Roy and the process of Modernisation in India.
- 14) Mujumdar R.C. (ed) – Struggle for freedom
- 15) Natrajan S. – A Century of Social Reform in India.
- 16) Prasad I, Subhedar – History of Modern India
- 17) Robert P.E. – History of British India.
- 18) Sarkar Sumit – Bibliographical survey of Social Reform Movement in the 18th and 19th century, ICHR
- 19) Sen S.N. – Eighteen fifty – seven, Publication Division, Delhi.
- 20) Seal Anil – Emergence of Indian Nationalism
- 21) Tarachand – History of the freedom Movement in India, Vol.I
Ministry of Information and Broadcasting, New Delhi
- २२) कदम य.ना. - समग्र भारताचा इतिहास, फडके प्रकाशन, कोल्हापूर
- २३) कोलारकर शं.गो - आधुनिक भारत १७६० - १९५०, मंगेश प्रकाशन, नागपूर
- २४) पवार जयसिंगराव - भारताच्या स्वातंत्र्य चळवळीचा इतिहास, फडके प्रकाशन, कोल्हापूर
- २५) फाटक न.र. - भारतीय राष्ट्रवादाचा विकास, र.ग.जोशी, पुणे
- २६) जावडेकर शं.द. - आधुनिक भारत, कॉन्टिनेंटल प्रकाशन, पुणे
- २७) वैदय सुमन, कोटेकर शांता - आधुनिक भारताचा इतिहास १८५७-१९२०, साईनाथ प्रकाशन, नागपूर
- २८) सरदेसाईबी.एन., नलवडे व्ही.एन. - आधुनिक भारताचा इतिहास, फडके प्रकाशन, कोल्हापूर

B.A.PART – II
History Paper No – VI
History of Indian Freedom Movement (1857 - 1950 A.D.)

Revised Syllabus (w.e.f.June2020)

Semester – IV

Credits:Theory 04

Theory Lectures45 +Tutorial 15 Total =60

| | | |
|-------------------|---|-----------|
| Unit – I | Contribution of Revolutionaries | 14 |
| | A) Bengal | |
| | B) Maharashtra | |
| | C) Punjab | |
| Unit – II | Gandhian Era | 16 |
| | A) Non Co – operation Movement | |
| | B) Civil Disobedience Movement | |
| | C) Quit India Movement | |
| Unit – III | Constitutional Developmentand Indian National Army | 15 |
| | A) Morley–Minto Act, 1909 andMontford Act, 1919 | |
| | B) Government of India Act, 1935 | |
| | B) Subhashchandra Bose and Indian National Army | |
| Unit – IV | Independence and Partition | 15 |
| | A) Negotiations for independence and partition | |
| | B) Indian Independence Act,1947 | |
| | C) Indian constitution : Salient features | |

List of Reference Books –

- 1) Bipin Chandra et.al. –Indiasstruggle for Independence, Penguin, New Delhi
- 2) Bipin Chandra - Frredom struggle, National Book Trust, New Delhi
- 3) Bipin Chandra – Communalism in modern India, Vikas Publishing House, New Delhi.
- 4) Brown Judith – Gandhi’s rise to power 1915 - 22
- 5) Dodwell H.H. (ed) – The Cambridge History of India, S.Chand, Delhi.
- 6) Dutt R.P. – India Today, People’s Publishing House, Bombay
- 7) Dutt R.C. – The Economic History of India Under British Rule, London

- 8) Datta K.K. – Social History of Modern India, Macmillan, New Delhi.
- 9) Grover B.L., Grover S. – Modern Indian History
- 10) Gopal Ram – British Rule in India
- 11) Gopal S. – Jawaharlal Nehru: A Biography, Jonathan cape, London.
- 12) Mahajan V.D. – British Rule in India and After
- 13) कदम य.ना. - समग्र भारताचा इतिहास, फडके प्रकाशन, कोल्हापूर
- 14) कोलारकर शं.गो - आधुनिक भारत १७६० - १९५०, मंगेश प्रकाशन, नागपूर
- 15) पवार जयसिंगराव - भारताच्या स्वातंत्र्य चळवळीचा इतिहास, फडके प्रकाशन, कोल्हापूर
- 16) फाटक न.र. - भारतीय राष्ट्रवादाचा विकास, र.ग.जोशी, पुणे
- 17) जावडेकर शं.द. - आधुनिक भारत, कॉन्टिनेंटल प्रकाशन, पुणे
- 18) वैदय सुमन, कोटेकर शांता - आधुनिक भारताचा इतिहास १८५७-१९२०, साईनाथ प्रकाशन, नागपूर
- 19) सरदेसाई बी.एन., नलवडे व्ही.एन - आधुनिक भारताचा इतिहास, फडके प्रकाशन, कोल्हापूर

B.A.PART – II
Inter Disciplinary Subject
History of Social Reforms in Maharashtra (1818 – 1970 A.D.)

Revised Syllabus (w.e.f. June 2020)

Semester – III

Credits:Theory 04

Theory Lectures45+Tutorial 15 Total =60

| | | |
|-------------------|---|-----------|
| Unit – I | Maharashtra in the early 19th century | 15 |
| | A) Social condition | |
| | B) Religious condition | |
| | C) Economic condition | |
| Unit – II | Early Reforms in British Period | 15 |
| | A) Administration | |
| | B) Education | |
| | C) Press | |
| Unit – III | Early Reformers | 14 |
| | A) Jagannath Shankar Sheth | |
| | B) GopalHariDeshmukh | |
| | C) BhauDaji Lad | |
| Unit – IV | Life and Work of Mahatma JotibaPhule | 16 |
| | A) Work for education and women | |
| | B) Work for untouchable and peasant | |
| | C) SatyashodhakSamaj and literature | |

List of Reference Books –

- | | |
|------------------------|---|
| 1) कीर धनंजय | - महात्मा जोतीराव फुले |
| 2) कुलकर्णी पी.बी. | - नाना शंकरशेट यांचे चरित्र काळ व कामगिरी |
| 3) पारिख (संपा) | - लोकहितवादी समग्र वाङ्मय |
| ४) फडके य.दि | - विसाव्या शतकातील महाराष्ट्र खंड१ |
| 5) फडकुले निर्मल | - लोकहितवादी काळ आणि कर्तृत्व, कॉन्टिनेंटल प्रकाशन, पुणे |
| 6) भिडे, पाटील | - महाराष्ट्रातीलसमाजसुधारणेचा इतिहास, फडके प्रकाशन, |
| 7) भोळे भा.ल. | - महात्मा ज्योतिबा फुले वारसा आणि वसा, साकेत प्रकाशन, |
| 8) नरकेहरि, फडके य.दि. | - महात्मा फुले गौरव ग्रंथ, महाराष्ट्र राज्य शिक्षण विभाग, मुंबई |
| 9) जावडेकर शं.द. | - आधुनिक भारत, कॉन्टिनेंटल प्रकाशन, पुणे |

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|---------|--|--|
| 1) | Modern Europe (1750 – 1871 A.D.) | History of Modern Europe (1750 – 1871 A.D.) |
| 2) | Modern India (1857 – 1950 A.D.) | History of Indian Freedom Movement (1857 – 1950 A.D.) |
| 3) | History of Social Reforms in Maharashtra (1818 – 1970 A.D.)IDS | History of Social Reforms in Maharashtra (1818 – 1970 A.D.)IDS |

Nature of Question Paper

Time: 2.00 Hours

Marks: 40

Instruction: 1) All questions are compulsory.

2) Figures to right indicate full marks.

Ques.1 Multiple choice questions (with four alternatives) (Eight) 08 Marks

Ques.2 Short answer type questions (any Four out of Six) 12 Marks

Ques.3 Any one broad answer type question. 10 Marks

A

OR

B

Ques.4 broad answer type question 10 Marks

**PUNYASHLOK AHILYADEVJI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**



Faculty of Humanities

New Syllabus (CBCS)

B.A.II - Marathi (Sem. III & IV)

B.A.II- Marathi -IDS (Sem. III & IV)

with effect from June २०२०

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर

बी.ए.भाग - २ विषय - मराठी

नवीन अभ्यासक्रम (CBCS Pattern)

शैक्षणिक वर्ष : २०२० - २०२१, २०२१ - २०२२, २०२२ - २०२३

सत्र तिसरे :

अभ्यासपत्रिका क्र. ३ (III) कादंबरी वाङ्मय प्रकार आणि उपयोजित मराठी
नेमलेली साहित्यकृती : वारणेचा वाघ (कादंबरी)
अण्णा भाऊ साठे, विनिमय पब्लिकेशन्स, मुंबई

अभ्यासपत्रिका क्र. ४ (IV) कविता वाङ्मय प्रकार आणि काव्यास्वाद
नेमलेली साहित्यकृती : सेतू (कवितासंग्रह)
वसंत बापट, पॉप्युलर प्रकाशन, मुंबई

सत्र तिसरे

अभ्यासपत्रिका क्र. ३ (III) कादंबरी वाङ्मय प्रकार आणि उपयोजित मराठी

एकूण गुण ५०

उद्दिष्टे :

१. कादंबरी या वाङ्मय प्रकाराचे वेगळेपण लक्षात घेणे
२. कादंबरी निर्मितीतील लेखकाचे महत्त्व अधोरेखित करणे.
३. कादंबरीतील आशय व अनुभव समजावून घेणे.
४. कादंबरी निर्मितीप्रक्रियेत वास्तवाचा नवा अन्वयार्थ कसा प्रभावी ठरतो, त्याचा शोध घेणे.
५. विद्यार्थ्यांचे व्यक्तिमत्त्व कलागुण संपन्न करणारी कौशल्य विकसित करणे.

नेमलेली साहित्यकृती :

वारणेचा वाघ (कादंबरी) अण्णा भाऊ साठे

विनिमय पब्लिकेशन्स, मुंबई

गुण ४०

उपयोजित मराठी :

कार्यक्रमाचे संयोजन व सूत्रसंचालन

गुण १०

| अ.क्र. | घटक | तासिका | श्रेयांक |
|--------|---|--------|----------|
| १. | कादंबरी : संकल्पना व स्वरूप अ) कादंबरी संज्ञा ब) कादंबरी व्याख्या क) कादंबरीचे घटक - कथानक, व्यक्तिरेखा, वातावरण, भाषाशैली ड) मराठी कादंबरीची वाटचाल | १५ | १ |
| २. | अण्णा भाऊ साठे यांचे जीवन व साहित्य अ) अण्णा भाऊ साठे जीवन चरित्र ब) अण्णा भाऊ साठे यांची वाङ्मयीन कामगिरी क) अण्णा भाऊ साठे यांचे सामाजिक कार्य ड) अण्णा भाऊ साठे यांच्या साहित्याचे वेगळेपण | १५ | १ |
| ३. | वारणेचा वाघ कादंबरीचे स्वरूप व समीक्षा अ) वारणेचा वाघ कादंबरीचे कथानक, व्यक्तिरेखा, घटनाप्रसंग, वातावरण ब) कादंबरीतील सामाजिकता | १५ | १ |

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|----|---|----|---|
| | क) कादंबरीची भाषाशैली व वाङ्मयीन विशेष ड) वारणेचा वाघ कादंबरी व चित्रपट:यातील माध्यमांतरावर चर्चा | | |
| ४. | उपयोजित मराठी - कार्यक्रमाचे संयोजन व सूत्रसंचालन अ) कार्यक्रमाचे संयोजन - प्रसंग- सामाजिक, सांस्कृतिक, शैक्षणिक ब) कार्यक्रमाचे सूत्रसंचालन क) सूत्रसंचालनासाठी आवश्यक गुण ड) सूत्रसंचालनाची पूर्वतयारी इ) स्वागत- प्रास्ताविक, पाहुण्यांचा परिचय, आभार | १५ | १ |

संदर्भ ग्रंथ :

१. कादंबरी : एक साहित्यप्रकार, हरिश्चंद्र थोरात, मुक्त शब्द प्रकाशन, मुंबई
२. मराठी कादंबरी : चिंतन आणि समीक्षा, चंद्रकांत बांदिवडेकर
३. मराठी कादंबरी : आशय आणि आविष्कार - दत्ता घोलप, आक्षर वाडःमय प्रकाशन, पुणे
४. अण्णा भाऊ साठे : व्यक्तित्व आणि कर्तृत्व, सदा कऱ्हाडे, लोकसाहित्य प्रका., औरंगाबाद.
५. अण्णा भाऊ साठे : समाजविचार आणि साहित्यविवेचन, बाबुराव गुरव लोकवाङ्मय गृह, मुंबई.
६. अण्णा भाऊ साठे : जीवन आणि साहित्य, नानासाहेब कठाळे, अण्णा भाऊ साठे साहित्य प्रकाशन मंच, समता सैनिक दल, नागपूर.
७. साहित्यरत्न लोकशाहीर अण्णा भाऊ साठे निवडक वाङ्मय कादंबरी खंड १ व २, अण्णा भाऊ साठे चरित्र साधने प्रका. समिती, महाराष्ट्र शासन, मुंबई
८. परिवर्तनाचा जागर (अण्णा भाऊ साठे यांच्या साहित्याची समीक्षा) संपा. गिरीश मोरे, निर्मिती संवाद प्रा. लि. कोल्हापूर
९. वक्तृत्व आणि संभाषण कौशल्य, श्रुतीश्री वडगबाळकर,
१०. उपयोजित मराठी, संजय लांडगे, दिलीपराज प्रकाशन, पुणे
११. व्यवहारिक मराठी - स्नेहल तावरे
१२. साहित्यकृतीचे माध्यमांतर : संपादक डॉ. राजेंद्र थोरात
१३. माध्यमांतर मीमांसा : डॉ. शकील शेख

अभ्यासपत्रिका क्र. ४ (IV) कविता वाङ्मय प्रकार आणि काव्यास्वाद

एकूण गुण ५०

उद्दिष्टे :

१. कविता या वाङ्मय प्रकाराची ओळख करून घेणे
२. मराठी कवितेची वाटचाल समजून घेणे.
३. कवितेतील प्रतिमा, प्रतीके यांचा अनुबंध आशयानुरूप समजावून घेणे.
४. कवितेची शैली, रचनाबंध यांचे वेगळेपण जाणून घेणे.
५. काव्यास्वाद व काव्य रसग्रहण कौशल्य विकसित करणे.

नेमलेली साहित्यकृती :

सेतू (कवितासंग्रह) वसंत बापट, पॉप्युलर प्रकाशन, मुंबई

गुण ४०

काव्यास्वाद/ रसग्रहण

गुण १०

| अ.क्र. | घटक | तासिका | श्रेयांक |
|--------|---|--------|----------|
| १. | कविता : संकल्पना व स्वरूप अ) कविता संज्ञा व व्याख्या ब) कवितेचे घटक क) कवितेचे प्रकार व विशेष ड) मराठी कवितेची वाटचाल | १५ | १ |
| २. | वसंत बापट यांचे जीवन व साहित्य अ) वसंत बापट यांचा परिचय ब) वसंत बापट यांचे कविता लेखन क) वसंत बापट यांची काव्यविषयक भूमिका ड) वसंत बापट यांच्या कवितेचे वेगळेपण | १५ | १ |
| ३. | सेतू या कवितासंग्रहाचे स्वरूप व समीक्षा अ) कवितांचे वर्गीकरण ब) कवितांची आशयसूत्रे क) कवितांमधील जीवनदर्शन ड) कवितांची भाषाशैली | १५ | १ |

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|----|---|----|---|
| | | | |
| ४. | काव्यास्वाद अ) कवितेचे वाचन ब) कवितेचे वर्गीकरण व स्वरूप क) कवितेचे भावसौंदर्य ड) कवितेची शैली इ) कवितेचे रसग्रहण | १५ | १ |

(टीप : सेतू कवितासंग्रहातील पुढील कविता वगळण्यात आलेल्या आहेत. १. फितूर, २. आमंत्रण, ३. खूण, ४. समजावणी, ५. निश्चित, ६. सुनीत, ७. संवाद, ८. साखळी, ९. नदी, १०. मुखवटा, ११. गरूड, १२. गौरी)

संदर्भ ग्रंथ :

१. कविता आणि प्रतिमा, सुधीर रसाळ, मौज प्रकाशन, मुंबई
२. कवितेचा शोध, वसंत पाटणकर, मौज प्रकाशन, मुंबई
३. मराठी कविता : आकलन आणि आस्वाद, संपा. नागनाथ कोत्तापल्ले, स्वरूप प्रकाशन, औरंगाबाद.
४. काही मराठी कवी : जाणिवा आणि शैली , सुधीर रसाळ, प्रतिमा प्रकाशन, पुणे
५. कविता संकल्पना निर्मिती आणि समीक्षा, वसंत पाटणकर, मुंबई विद्यापीठ व अनुभव प्रकाशन, मुंबई
६. मराठी कविता आकलन आणि आस्वाद- संपा. नागनाथ कोत्तापल्ले, स्वरूप प्रकाशन, औरंगाबाद
७. मराठी कविता : स्वरूप आणि विवेचन, प्रा. निशिकांत ठकार
८. कवितेची शैली, महेंद्र कदम, भूमी प्रकाशन, लातूर
९. सृजनात्मक लेखन, आनंद पाटील, पद्मगंधा प्रकाशन, पुणे.
१०. मराठी भाषा उपयोजन आणि सर्जन - प्रा. डॉ. सुहास बोबडे

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर

बी.ए.भाग - २ विषय - मराठी

नवीन अभ्यासक्रम (CBCS Pattern)

शैक्षणिक वर्ष : २०२० - २०२१, २०२१ - २०२२, २०२२ - २०२३

सत्र चौथे :

अभ्यासपत्रिका क्र. ५ (V) ललित गद्य व उपयोजित मराठी

नेमलेली साहित्यकृती : जगायचं कशासाठी ?

(ललित गद्य) निर्मलकुमार फडकुले

प्रतिमा प्रकाशन, पुणे

अभ्यासपत्रिका क्र. ६ (VI) नाटक वाङ्मय प्रकार आणि उपयोजित मराठी

नेमलेली साहित्यकृती : प्रेमा, तुझा रंग कसा ?

(नाटक) वसंत कानेटकर, पॉप्युलर प्रकाशन, मुंबई

सत्र चौथे

अभ्यासपत्रिका क्र. ५ (V) ललित गद्य व उपयोजित मराठी

एकूण गुण ५०

उद्दिष्टे :

१. ललित गद्य प्रकाराची ओळख करून घेणे.
२. ललित गद्याचे प्रकार, उद्गम, विकास व विस्ताराची चर्चा करणे.
३. ललित गद्याचे समकालीन स्वरूप लक्षात घेणे.
४. ललित गद्यातील भावसौंदर्य समजावून घेणे.
५. सारांश लेखनकौशल्य विकसित करणे.

नेमलेली साहित्यकृती :

जगायचं कशासाठी ? (ललित गद्य) निर्मलकुमार फडकुले,
प्रतिमा प्रकाशन, पुणे

गुण ४०

उपयोजित मराठी :

सारांश लेखन

गुण १०

| अ.क्र. | घटक | तासिका | श्रेयांक |
|--------|---|--------|----------|
| १. | ललित गद्य संकल्पना व स्वरूप अ) ललित गद्य संज्ञा ब) ललित गद्य व्याख्या क) ललित गद्याचे प्रकार ड) मराठी ललित गद्याची वाटचाल | १५ | १ |
| २. | निर्मलकुमार फडकुले यांचे जीवन व साहित्य अ) निर्मलकुमार फडकुले यांचा परिचय ब) निर्मलकुमार फडकुले यांचे लेखन क) निर्मलकुमार फडकुले यांचे जीवनकार्य ड) निर्मलकुमार फडकुले यांचे वाङ्मय विशेष | १५ | १ |
| ३. | जगायचं कशासाठी ? या ललित गद्याचे स्वरूप व समीक्षा अ) आशयसूत्रे ब) समाजचित्रण | १५ | १ |

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|----|---|----|---|
| | क) भाषाविशेष ड) वाङ्मयीन विशेष | | |
| ४. | उपयोजित मराठी - सारांश लेखन अ) सारांश लेखन म्हणजे काय ? ब) सारांश लेखनाचे घटक व महत्त्व क) सारांश लेखनाचे स्वरूप ड) सारांश लेखनाचे नमुने | १५ | १ |

संदर्भ ग्रंथ :

१. वाङ्मयीन संज्ञा, संकल्पना कोश- संपा. प्रभा गणोरकर व अन्य, भटकळ फाऊंडेशन, मुंबई
२. ललित गद्य, आनंद यादव
३. ललित गद्यलेणी, कैलास सार्वेकर, अमोल प्रकाशन, पुणे
४. व्यावहारिक मराठी, ल. रा. नसिराबादकर, फडके प्रकाशन, कोल्हापूर. आठवी आवृत्ती २००८
५. व्यावहारिक मराठी, संपा.स्नेहल तावरे, स्नेहवर्धन प्रकाशन, पुणे
६. मराठी भाषा उपयोजन आणि सर्जन - सुहास बोबडे
७. साहित्य : सामाजिक अनुबंध, निशीकांत ठकार, गायत्री प्रकाशन, सोलापूर
८. विवेकदर्शन (संपा.) डॉ. यु. म. पठाणे, सुमेरु प्रकाशन, मुंबई.
९. आंतरी निर्मळ/ वाचेचारसाळ/लेख- सुहास पुजारी, साहित्यसूची २००७

अभ्यासपत्रिका क्र. ६ (VI) नाटक वाङ्मय प्रकार आणि उपयोजित मराठी

एकूण गुण ५०

उद्दिष्टे :

१. नाटक या वाङ्मय प्रकाराची ओळख करून घेणे.
२. नाटकाचे विविध घटक समजावून घेणे.
३. मराठी नाटकाची वाटचाल समजून घेणे.
४. उपयोजित मराठीतील घटक समजावून घेणे.
५. अहवाल लेखनाचे कौशल्य विकसित करणे.

नेमलेली साहित्यकृती :

प्रेमा, तुझा रंग कसा ? (नाटक) वसंत कानेटकर

पॉप्युलर प्रकाशन, मुंबई

गुण ४०

उपयोजित मराठी :

अहवाल लेखन

गुण १०

| अ.क्र. | घटक | तासिका | श्रेयांक |
|--------|--|--------|----------|
| १. | नाटक : संकल्पना व स्वरूप अ) नाटक संज्ञा ब) नाटक एक साहित्यप्रकार क) नाटकाचे घटक ड) मराठी नाटकाची परंपरा व विकास | १५ | १ |
| २. | वसंत कानेटकर यांचे जीवन व साहित्य अ) वसंत कानेटकर यांचा जीवनपरिचय ब) वसंत कानेटकर यांचे लेखन क) वसंत कानेटकर यांची नाट्यविषयक भूमिका ड) वसंत कानेटकर यांच्या नाट्यलेखनाचे साहित्यविशेष | १५ | १ |
| ३. | प्रेमा, तुझा रंग कसा ? नाटकाचे स्वरूप व वैशिष्ट्ये अ) प्रेमा, तुझा रंग कसा ? या नाटकाचे कथानक ब) पात्रचित्रण क) घटनाप्रसंग ड) संवाद व भाषाशैली | १५ | १ |

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| ४. | उपयोजित मराठी- अहवाल लेखन अ) अहवाल म्हणजे काय ? ब) अहवालाचे स्वरूप व घटक क) अहवाल लेखन पध्दती ड) संस्था अहवाल व कार्यक्रम अहवाल | १५ | १ |
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संदर्भ ग्रंथ :

१. नाटक : स्वरूप आणि समीक्षा, द. भि. कुलकर्णी, पद्मगंधा प्रकाशन, पुणे.
२. मराठी नाटक आणि रंगभूमी विसावे शतक, वसंत आबाजी डहाके, पॉप्युलर प्रकाशन, मुंबई.
३. मराठी नाटक आणि रंगभूमी, संपा. विश्वनाथ शिंदे, हिमांशू स्मार्त, प्रतिमा प्रकाशन, पुणे.
४. मराठी नाटक - नाटककार : काळ आणि कर्तृत्व खंड १, २, ३, दिलीपराज प्रकाशन, पुणे.
५. वसंत कानेटकरांची नाटके : वैविध्य आणि ध्रुवीकरण, रा. भा. पाटणकर, मौज प्रकाशन गृह, मुंबई.
६. मराठी नाटक आणि वसंत कानेटकर : डॉ. राजश्री कुलकर्णी- देशपांडे, स्वरूप प्रकाशन, पुणे.
७. वसंत कानेटकरांचे नाट्यवैभव (वसंत कानेटकर यांच्या समग्र नाट्यवाङ्मयाचा अभ्यास) - डॉ. संजय लांडगे, अक्षरलेणं प्रकाशन, सोलापूर. प्रथमावृत्ती २००८.
८. नाटक : एक चिंतन : वसंत कानेटकर
९. साहित्यमूल्य आणि अभिरुची : गो. मा. पवार
१०. व्यावहारिक मराठी, ल. रा. नसिराबादकर, फडके प्रकाशन, कोल्हापूर. आठवी आवृत्ती २००८

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर

बी.ए.भाग - २ विषय - मराठी IDS

नवीन अभ्यासक्रम (CBCS Pattern)

शैक्षणिक वर्ष : २०२० - २०२१, २०२१ - २०२२, २०२२ - २०२३

सत्र तिसरे

अभ्यासपत्रिका - कविता वाङ्मय प्रकार आणि उपयोजित मराठी

नेमलेली साहित्यकृती : बोलगाणी (कवितासंग्रह) मंगेश

पाडगावकर, मौज प्रकाशन, मुंबई

सत्र चौथे

अभ्यासपत्रिका : कथा वाङ्मय प्रकार व उपयोजित मराठी

नेमलेली साहित्यकृती : माणदेशी माणसं (कथासंग्रह)

व्यंकटेश माडगूळकर, मेहता पब्लिशिंग हाऊस, पुणे.

सत्र तिसरे

अभ्यासपत्रिका - कविता वाङ्मय प्रकार आणि उपयोजित मराठी

एकूण गुण ५०

उद्दिष्टे :

१. कविता या वाङ्मय प्रकाराचे वेगळेपण लक्षात घेणे
६. मराठी कवितेचा परिचय करून घेणे.
७. कवितेचे आकलन, आस्वाद व विवेचनातून वाङ्मयीन अभिरूची निर्माण करणे.
८. मराठी कवितेची वाटचाल समाजावून घेणे.
९. उपयोजित मराठीचे कौशल्य लक्षात घेणे.

नेमलेली साहित्यकृती :

बोलगाणी (कवितासंग्रह) मंगेश पाडगावकर, मौज प्रकाशन, मुंबई गुण ४०

उपयोजित मराठी :

वक्तृत्व : तंत्र व कौशल्ये गुण १०

| अ.क्र. | घटक | तासिका | श्रेयांक |
|--------|---|--------|----------|
| १. | कविता : संकल्पना व स्वरूप अ) कविता संज्ञा व व्याख्या ब) कवितेचे घटक क) कवितेचे प्रकार व विशेष ड) मराठी कवितेची वाटचाल | १५ | १ |
| २. | मंगेश पाडगावकर : व्यक्ती आणि वाङ्मय अ) मंगेश पाडगावकर यांचा जीवनपरिचय ब) मंगेश पाडगावकर यांचे कविता लेखन क) मंगेश पाडगावकर यांचे काव्यविषयक भूमिका ड) मंगेश पाडगावकर यांच्या साहित्याचे विशेष | १५ | १ |
| ३. | बोलगाणी कवितासंग्रहाचे स्वरूप व वैशिष्ट्ये अ) कवितांचे वर्गीकरण ब) कवितांची आशयसूत्रे क) कवितांची भाषाशैली ड) कवितासंग्रहाची वैशिष्ट्ये | १५ | १ |

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| ४. | उपयोजित मराठी- वक्तृत्व : तंत्र व कौशल्ये अ) वक्तृत्व संकल्पना ब) वक्तृत्व : स्वरूप व विशेष क) वक्तृत्वाची पूर्वतयारी ड) वक्तृत्वाचे उपयोजन | १५ | १ |
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संदर्भ ग्रंथ :

१. कविता आणि प्रतिमा, सुधीर रसाळ, मौज प्रकाशन, मुंबई
२. कवितेचा शोध, वसंत पाटणकर, मौज प्रकाशन, मुंबई
३. मराठी कविता : आकलन आणि आस्वाद, संपा. नागनाथ कोत्तापल्ले, स्वरूप प्रकाशन औरंगाबाद.
४. कविता संकल्पना निर्मिती आणि समीक्षा- वसंत पाटणकर, मुंबई विद्यापीठ व अनुभव प्रकाशन, मुंबई
५. काही मराठी कवी जाणवा आणि शैली- सुधीर रसाळ, प्रतिमा प्रकाशन, पुणे.
६. कवितेची शैली- महेंद्र कदम, भूमी प्रकाशन, लातूर.
७. वक्तृत्व आणि संभाषण कौशल्य - श्रुतीश्री वडगबाळकर
८. व्यवहारिक मराठी - ल.रा. नसिराबादकर फडके प्रकाशन, कोल्हापूर, आठवी आवृत्ती २००८

सत्र चौथे

अभ्यासपत्रिका : कथा वाङ्मय प्रकार व उपयोजित मराठी

एकूण गुण ५०

उद्दिष्टे :

१. कथा या वाङ्मय प्रकाराची ओळख करून घेणे.
२. मराठीतील प्रादेशिक साहित्याची परंपरा समजावून घेणे.
३. मराठीतील प्रादेशिक कथेचे वेगळेपण लक्षात घेणे.
४. प्रादेशिक कथांचे स्वरूप समजावून घेणे.
५. उपयोजित मराठीतील कौशल्यावर आधारित घटक समजावून घेणे.

नेमलेली साहित्यकृती :

माणदेशी माणसं (कथासंग्रह) व्यंकटेश माडगूळकर
मेहता पब्लिशिंग हाऊस, पुणे.

गुण ४०

उपयोजित मराठी :

कार्यक्रमाचे संयोजन व सूत्रसंचालन

गुण १०

| अ.क्र. | घटक | तासिका | श्रेयांक |
|--------|--|--------|----------|
| १. | कथा : संकल्पना व स्वरूप अ) कथा : संज्ञा व व्याख्या ब) कथा स्वरूप व वैशिष्ट्ये क) कथेचे घटक ड) मराठी कथेची परंपरा व विकास | १५ | १ |
| २. | व्यंकटेश माडगूळकर : व्यक्ती आणि वाङ्मय अ) व्यंकटेश माडगूळकर यांचा जीवनपरिचय ब) व्यंकटेश माडगूळकर यांचे लेखन क) व्यंकटेश माडगूळकर यांचे जीवनकार्य ड) व्यंकटेश माडगूळकर यांच्या साहित्याचे विशेष | १५ | १ |

| | | | |
|----|--|----|---|
| ३. | माणदेशी माणसं कथासंग्रहातील स्वरूप व प्रादेशिकता अ) कथांची आशयसूत्रे ब) कथेतील समाजजीवन क) कथांची भाषा ड) कथासंग्रहाचे वाङ्मयीन विशेष | १५ | १ |
| ४. | उपयोजित मराठी- कार्यक्रमाचे संयोजन व सूत्रसंचालन अ) कार्यक्रमाचे सूत्रसंचालन ब) सूत्रसंचालनासाठी आवश्यक गुण क) सूत्रसंचालनाची पूर्वतयारी ड) स्वागत, प्रास्ताविक, पाहुण्यांचा परिचय व आभार | १५ | १ |

संदर्भ ग्रंथ :

१. कथा : संकल्पना व स्वरूप, सुधा जोशी, मौज प्रकाशन, मुंबई.
२. मराठी कथेची स्थितीगती, अंजली सोमण, प्रतिमा प्रकाशन, पुणे
३. मराठी कथा: उद्गम आणि विकास, इंदुमती शेवडे
४. मराठी साहित्य प्रेरणा व स्वरूप, संपा. गो. मा. पवार, म.द. हातकणंगले, पॉप्युलर प्रकाशन, मुंबई.
५. व्यावहारिक मराठी - ल.रा.नसिराबादकर
६. मराठी भाषा : उपयोजन आणि सर्जन - सुहास बोबडे
७. उपयोजित मराठी - संजय लांडगे
८. वक्तृत्व आणि संभाषण कौशल्य - श्रुतीश्री वडगबाळकर

**PUNYASHLOK AHILYADEVII HOLKAR SOLAPUR UNIVERSITY,
SOLAPUR**



Name of the Faculty: Faculty of Humanities

Syllabus, Name of the Course: B.A., B.Com. and B. Sc. Part I

Compulsory English

With effect from June 2020-21, 21-22, 22-23

Preamble :

English is the secondary language introduced as the compulsory subject at B.A., B.com and B. Sc. Part I. The text prescribed for the syllabus is divided into four sections. It includes prose, poetry, grammar and communication skills. The prose and poetry section aim to strengthen students' reading as well as comprehension skills and give them an opportunity to develop literary sensibility and taste. The section on grammar and vocabulary provides brief, useful guidelines on the form and the function of language. The section on communication skills includes topics on useful oral and written communication necessary in the present global scenario.

1) Objectives of the Course:

- To introduce to the students various forms of communication.
- To make the teaching of English more practical and student centric.
- To introduce to the students poems from across the globe.
- To acquaint the students with different forms of prose.
- To acquaint the students with different language skills.

2) Outcome : At the end of the course students will

- Understand the concepts of communication.
- Expand their vocabulary after reading the prescribed texts.
- Attain writing, speaking, reading, & listening competence.
- Be aware of the correct usage of English grammar
- Become familiar with selected literary forms, develop and strengthen their imaginative ability and the ability to analyze different literary forms.

Title of the Course/Paper

(Compulsory English)

Semester I and II

[Credits: 4]

| | |
|-------------------|---|
| Unit no: 1 | Prose(Credit 01)(15) |
| Unit no: 2 | Poetry |
| Unit no: 3 | Grammar (Credit for Unit 2 and 3: 01) (15) |
| Unit no. 4 | Communication Skills (Credit for Unit 4: 02) (30) |

List of Reference Books:

1. Prescribed Text Book
2. "A Student's Introduction to English Grammar" by Rodney Huddleston and Geoffrey K. Pullum. 2002.

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|----------------|------------------------------|------------------------------|
| 1) | Compulsory English | Compulsory English |

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

Question Paper pattern (for B.A., B. Com. and B.Sc. I)

B. A. –I (Semester I and II)

ENGLISH (Compulsory) Revised Syllabus (CBCS)

(Introduced from June 2020)

Que.1 Rewrite the following by choosing the correct alternative. (08)

(Poems, Prose and Grammar)

Que.2 Write the answers in short. (Any Four out Six) (12)

(Prose and Poetry)

Que.3 Broad question (any one) (10)

(Communication Skills)

Que. 4 Broad question General topics (10)

(Communication Skills)

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

B. A. –I

(Semester I and II)

ENGLISH (OPTIONAL)

Revised Syllabus (CBCS)

(Introduced from June 2020)

INTRODUCTION TO ENGLISH LITERATURE

PAPER NO. I

(2020-2021)

Preamble: Introduction to English Literature and Language paper is introduced to B.A. –I (Optional) students for the 1st and 2nd semester with the aim to introduce students to various literary forms in English literature and language. The Poems and Short Stories, One Act Plays and Literary Terms prescribed for the syllabus will help them to develop interest in reading English literature written worldwide.

2) Objectives of the Course:

- To acquaint students with literary forms and literary terms.
- To initiate students and provide them a firsthand experience of reading and interpreting literary texts.
- To acquaint students with structural and analytical techniques in poetry.
- To acquaint students with analysis of minor literary form i.e. short stories and one act plays.

3) Outcome : At the end of the course students will be

- Familiar with the various forms of the literature
- Able to analyze the forms of literature
- Able to interpret the text

Semester: I

Introduction to English Literature (Poems and Short stories)

General Topic:

- Elements of Short Story.
- Forms of Poetry.

Poems:

- | | |
|-------------------------------|---------------------------------|
| 1) Robert Frost - | Mending Wall |
| 2) Maya Angelou | Caged Bird |
| 3) Rabindranath Tagore | Where the Mind is Without Fear |
| 4) Elizabeth Barrett Browning | How Do I Love Thee? (Sonnet 43) |
| 5) Percy Bysshe Shelley | Ozymandias |

Short Stories:

- 1) Arthur Conan Doyle - The Crooked Man
- 2) Anton Chekhov: The Beggar
- 3) [Leo Tolstoy](#) The Three Questions
- 4) R. K. Narayan Engine Trouble

Semester: II
Introduction to English Literature
(One Act Plays and Literary Terms)

1. General Topics:

- **The Elements of One Act Play.**

2. One Act Play:

- a. A Marriage Proposal – Anton Chekov
- b. The Boy Comes Home – A. A. Milne
- c. The Monkey's Paw – W. M. Jacobs
- d. The Man with a Flower in His Mouth – Luigi Pirandello

3. Literary Terms:

- a. Simile
- b. Metaphor
- c. Imagery
- d. Personification
- e. Contrast
- f. Allegory
- g. Narrative Technique
- h. Symbolism
- i. Soliloquy
- j. Monologue
- k. Setting

Reference Books:

- 1. Masks- One Act Plays by D. S. Maini.
- 2. Glossary of Literary Terms by M. H. Abrahms

**Introduction to English Literature
Total Theory Lectures 60**

Semester I

Unit 1 Credit 01 No. of Lectures 15

General Topics:

Unit 2 Credit 1.5 No. of Lectures 22

Poems:

- | | |
|-------------------------------|---------------------------------|
| 1) Robert Frost - | Mending Wall |
| 2) Maya Angelou | Caged Bird |
| 3) Rabindranath Tagore | Where the mind is Without Fear? |
| 4) Elizabeth Barrett Browning | How Do I Love Thee? (Sonnet 43) |
| 5) Percy Bysshe Shelley | Ozymandias |

Unit 3 Credit 1.5 No. of Lectures 23

Short Stories:

- | | |
|--------------------------------|---------------------|
| 1) Arthur Conan Doyle - | The Crooked Man |
| 2) Anton Chekhov: | The Beggar |
| 3) Leo Tolstoy | The Three Questions |
| 4) R. K. Narayan | Engine Trouble |

Semester: II
Introduction to English Literature
(One Act Plays and Literary Terms)

Unit 1 **Credit 01** **No. of Lectures 15**

One Act Play:

- a. A Marriage Proposal – Anton Chekov
- b. The Boy Comes Home – A. A. Milne
- c. The Monkey's Paw – W. M. Jacobs
- d. The Man with a Flower in His Mouth – Luigi Pirandello

Unit 2 **Credit 1.5** **No. of Lectures 22**

General Topic:

- Define One Act Play and discuss the elements of the One Act Play.

Unit 3 **Credit 1.5** **No. of Lectures 23**

Literary Terms:

- a. Simile
- b. Metaphor
- c. Imagery
- d. Personification
- e. Contrast
- f. Allegory
- g. Narrative Technique
- h. Symbolism
- i. Soliloquy
- j. Monologue
- k. Aside
- l. Setting

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

Question Paper pattern

B. A. –I (Semester I and II)

ENGLISH (OPTIONAL) Revised Syllabus (CBCS)

(Introduced from June 2020)

Que.1 Rewrite the following by choosing the correct alternative. (08)

Sem I (Poems, Short stories) Sem II (One act plays)

Que.2 Write the answers in short. (Any Four out Six) (12)

SemI (Poems) Sem – II (literary terms)

Que.3 Broad question (any one) (10)

Sem (Short Stories) Sem II (One Act Plays)

Que. 4 Broad question on General topic (10)

B.A.(Part-I) LINGUISTICS (Optional)

Title: - Introduction to Linguistics (Semester I & II)

(With effect from 2020-2021)

Preamble : The paper 'Introduction to Linguistics' is introduced at BA (Part I) for semester I & II as an optional paper of Linguistics with an aim to introduce students with the basic knowledge of Linguistics and more specifically it is an introduction of 'Linguistics' as an independent subject. The components in the syllabus will cope with the present need of the students in the socio-educational scenario.

Course Objectives:

- To introduce Linguistics as a discipline of knowledge.
- To familiarize students with basics of linguistics and the key concepts.
- To make students aware of the nuances of English Language
- To enable students to use English language with proper pronunciation
- To equip students with good communication skills in English

Course Outcome:

At the end of the course, the students will be able to-

- Define Linguistics as a separate discipline
- Explain the basic concepts in Linguistics
- Use English with proper pronunciation as per RP
- Communicate efficiently in English

Semester-I (Paper No. I) (Lectures - 60)

Title of the Paper: Introduction to Linguistics

Unit I - Language and Linguistics (30 Lectures)

- 1.1 Language and its definitions
- 1.2 Characteristics of human language
- 1.3 Animal communication system and human language
- 1.4 What is Linguistics: synchronic and diachronic approaches
- 1.5 Introduction to branches of linguistics: Phonetics, Phonology, Morphology, Syntax, Semantics and Pragmatics

Unit II - Phonetics and Phonology (30 Lectures)

- 2.1 Phonetics and Phonology
- 2.2 Articulatory Phonetics
- 2.3 Initiation, Phonation and articulation
- 2.4 Description of speech sounds of English: Consonants and Vowels
- 2.5 Transcription (Phonemic) of words with stress, minimal pairs, CV structure of syllables

Semester-II (Paper No. II) (Lectures - 60)

Title of the Paper: Introduction to Linguistics

Unit III- Linguistics of words (45 Lectures)

- 3.1 Morphological Approach:
 - 3.1.1 What is Morphology?
 - 3.1.2 Morpheme and its types, Allomorphs
 - 3.1.3 Word formation Processes: Major and Minor.
 - 3.1.4 Morphological Analysis of Words (labeled tree diagram)

- 3.2 Semantic Approach:
 - 3.2.1 What is Semantics?
 - 3.2.2 Lexical relation: synonyms and antonyms

- 3.3 Syntactic Approach:
 - 3.3.1 What is Syntax?
 - 3.3.2 Words: Open class words and closed class words

Unit IV - The Basic Skills of Language Learning (15 Lectures)

- 4.1 Listening Skill, Speaking Skill, Reading Skill and Writing Skill
- 4.2 Types and Ways to Improve L/S/R/W

Books Recommended

- Bikram K. Das (Orient Longman) *Functional Grammar and Spoken and Written Communication in English*
- V. R. Narayana Swami (Orient Longman) *Strengthen your writing*
- Patil, Valke, Thorat and Merchant. (Macmillan) *English for Practical Purposes*
- Aruna Koneru *English Language Skills*
- Verma and Krishnaswamy; *Modern Linguistics; An Introduction*
- Crystal, David: *A Course in Modern Linguistics.*
- Balasubramanian, T: *A Textbook of English Phonetics for Indian Students*
- Bansal and Harrison : *Spoken English for India*
- Quirk, R. and S. Greenbaum: *A University Grammar of English*
- Lyons, John: *Language and Linguistics*
- Palmer: *Semantics*
- Jones, Daniel: *English Pronouncing Dictionary*
- Leech Geoffrey: *English Grammar for Today.*

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

Question Paper pattern

B. A. –I (Semester I) Paper I

(Introduced from June 2020)

(Linguistics (Optional)

Q1 Multiple type questions to be set on the syllabus topic2

(Unit 2 Phonetics and Phonology)

Marks 8

Q2 Short answer type questions (practical type questions) to be set on the syllabus topic2

(Unit 2 Phonetics and Phonology)(4out of6)

Marks12

Q3 A Broad answer type question with an internal option (A or B) to be set on the syllabus topic 1

(Unit 1 Language and Linguistics)

Marks 10

Q4 A broad question on the syllabus topic 1

(Unit1 Language and Linguistics)

Marks 10

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

Question Paper pattern

B. A. –I (Semester II) Paper II

(Introduced from June 2020)

(Linguistics (Optional))

-
- Q1 Multiple Choice type questions to be set on the syllabus topic3**
(Unit 3 Linguistics of Words) Marks 8
- Q2 Short answer type questions (practical type questions) to be set on the syllabus topic3**
(Unit 3 Linguistics of Words) (4out of 6) Marks12
- Q3 A broad answer type question with an internal option (A or B) to be set on the syllabus topic 3**
(Unit 3 Linguistics of Words) Marks 10
- Q4 A Broad question on the syllabus topic 4**
(Unit4 Basic Skills of Language Learning) Marks 10
-



पुण्यश्लोक अहिल्यादेवी होळकर
सोलापूर विद्यापीठ
॥ विद्याया संपन्नता ॥
NAAC Accredited-2015
B Grade (CGPA 2.62)

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर
Punyashlok Ahilyadevi Holkar Solapur University, Solapur

केगाव, सोलापूर - ४१३ २५५, महाराष्ट्र (भारत)

दुरध्वनी क्र. ०२१७-२७४४७७८ / ११३/११५ (११ लाईन्स), फॅक्स : ०२१७-२३५१३००,
संकेतस्थळ: <http://su.digitaluniversity.ac.in> ई-मेल: registrar@sus.ac.in bos@sus.ac.in



अभ्यासमंडळे विभाग

जा.क्र.पुअहोसोविसो/अमंवि/२०२१/ ५७१३

दि. 12 AUG 2021

प्रति

- १) मा. प्राचार्य/प्राचार्या, सर्व संलग्नित महाविद्यालये
- २) मा. संचालक, विद्यापीठ परिसर सर्व शैक्षणिक संकुले
पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर

विषय :- शैक्षणिक वर्ष २०२१-२२ पासून बी.ए. भाग-२ मराठी पाठयपुस्तक "जगायच कशासाठी?" या पुस्तकाऐवजी "हिरव्या वाटा" हे पुस्तक अभ्यासक्रमात समाविष्ट केलेबाबत...
संदर्भ :- १) प्रा. डॉ. डी. आर. गायकवाड, अध्यक्ष मराठी अभ्यासमंडळ यांचे दि.१०/०६/२०२१ रोजीचे पत्र.
२) दि.१०/०७/२०२१ रोजीच्या मा. विद्यापरिषदेतील ठराव क्र. १२०.

महोदय/महोदया,

उपरोक्त विषयास अनुसरून आपणास कळविण्यात येते की, शै. वर्ष २०२०-२१ पासून मानविज्ञान शाखा अंतर्गत बी.ए. भाग-२ मराठी अभ्यासक्रम सुधारित करून विद्यापीठाच्या संकेतस्थळावर उपलब्ध करून देण्यात आला होता. मराठी अभ्यासमंडळाचे मा. अध्यक्ष यांनी संदर्भ क्र.१ च्या पत्रान्वये बी.ए.भाग-२ मराठी अभ्यासक्रमात डॉ. निर्मलकुमार फडकुले लिखित "जगायच कशासाठी?" या पाठयपुस्तकाऐवजी "हिरव्या वाटा" हे पाठयपुस्तक बी.ए. भाग-२ मराठीच्या अभ्यासक्रमात समाविष्ट करण्याबात विद्यापीठास विनंती केली होती.


या अनुषंगाने दि.१०/०७/२०२१ रोजीच्या मा. विद्यापरिषदेच्या बैठकीमध्ये क्र.१२० नुसार विषय सादर केला असता मा. विद्यापरिषदेने सर्वानुमते खालीलप्रमाणे ठराव पारित केला आहे.

ठराव क्र.१२० शै. वर्ष २०२१-२२ पासून बी.ए.भाग-२ मराठी पाठयपुस्तक डॉ. निर्मलकुमार फडकुले लिखित "जगायच कशासाठी?" याऐवजी "हिरव्या वाटा" हे पुस्तक अभ्यासक्रमात समाविष्ट करण्यासाठी मानविज्ञान विद्याशाखेने केलेली शिफारस स्विकारून सर्वानुमते मान्यता देण्यात आली.

उपरोक्त बाब आपल्या माहिती तथा योग्य त्या कार्यवाहीस्तव कळविण्यात येत आहे. आपण सदर बाब आपल्या अधिपत्याखालील संबंधित अध्यापक तथा विद्यार्थ्यांच्या निर्दर्शनास आणून द्यावी, ही विनंती. सोबत संदर्भीय ठरावाची छायांकित प्रत जोडली आहे.



आपला विश्वासू,


(प्रा. डॉ. वि. भा. घुटे)
प्र.कुलसचिव

सोबत:- वरीलप्रमाणे.

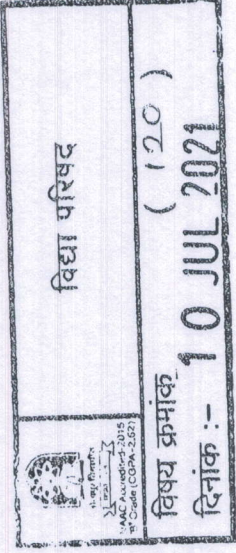
प्रत : प्रा. डॉ. डी. आर. गायकवाड, अध्यक्ष, मराठी अभ्यासमंडळ, पुअहोसोविसो.

[१२०] शैक्षणिक वर्ष २०२१-२२ पासून बी.ए. भाग-२ मराठी पाठ्यपुस्तक डॉ. निर्मलकुमार फडकुले लिखित "जगायच कशासाठी?" याऐवजी "हिरव्या वाटा" हे पुस्तक अभ्यासक्रमात समाविष्ट करण्यासाठी मानवविज्ञान विद्याशाखेने केलेली शिफारस विचारार्थ.

(टिपणी: शैक्षणिक वर्ष २०२०-२१ पासून मानवविज्ञान विद्याशाखा अतंर्गत बी.ए. भाग-२ मराठी चा अभ्यासक्रम सुधारीत करून विद्यापीठाच्या संकेतस्थळावर उपलब्ध करून देण्यात आला आहे. परंतु मराठी अभ्यासमंडळाचे अध्यक्ष प्रा.डॉ.डी.आर.गायकवाड यांनी दि.१०/०६/२०२१ रोजीच्या पत्रान्वये बी.ए. भाग-२ पाठ्यपुस्तक डॉ. निर्मलकुमार फडकुले लिखित "जगायच कशासाठी?" यामध्ये अनेक मुद्रित दोष असल्याने तसेच अभ्यासक्रमातील घटकही अधिक असल्यामुळे सदर पुस्तक अभ्यासक्रमातून वगळून डॉ.निर्मलकुमार फडकुले लिखित "हिरव्या वाटा" हे पुस्तक अभ्यासक्रमात समाविष्ट करणेबाबत दि. ०४ व ०५ जून रोजी ऑनलाईन प्रणालीद्वारे संपन्न झालेल्या अभ्यासमंडळाच्या बैठकीत सर्वानुमते मान्यता देण्यात आली असल्याचे कळविले आहे.

याअनुषंगाने सदर बाब दिनांक १४/०६/२०२१ रोजी संपन्न झालेल्या मानवविज्ञान विद्याशाखेच्या बैठकीमध्ये आयत्या वेळेचा विषय म्हणून सादर केली असता बी. ए. भाग-२ मराठी पाठ्यपुस्तक डॉ. निर्मलकुमार फडकुले लिखित "जगायच कशासाठी?" याऐवजी डॉ. निर्मलकुमार फडकुले लिखित "हिरव्या वाटा" हे पुस्तक शै. वर्ष २०२१-२२ पासून लागू करण्यास सर्वानुमते मान्यता देण्यात येऊन सदर बाब अंतिम मान्यतेकरिता विद्या परिषदेकडे शिफारस करण्यात आली आहे.

सबब, शैक्षणिक वर्ष २०२१-२२ पासून बी.ए. भाग-२ मराठी पाठ्यपुस्तक डॉ. निर्मलकुमार फडकुले लिखित "जगायच कशासाठी?" याऐवजी "हिरव्या वाटा" हे पुस्तक अभ्यासक्रमात समाविष्ट करण्यासाठी मानवविज्ञान विद्याशाखेने केलेली शिफारस विचारार्थ).



ठराव: शैक्षणिक वर्ष २०२१-२२ पासून बी.ए. भाग-२ मराठी पाठ्यपुस्तक डॉ. निर्मलकुमार फडकुले लिखित "जगायच कशासाठी?" याऐवजी "हिरव्या वाटा" हे पुस्तक अभ्यासक्रमात समाविष्ट करण्यासाठी मानवविज्ञान विद्याशाखेने केलेली शिफारस स्विकारून सर्वानुमते मान्यता देण्यात आली.

विद्या परिषदेची ४६ वी बैठक शनिवार, दि.१०/०७/२०२१ कार्यवृत्तांत

पान क्र.१४०/१५८

SOLAPUR UNIVERSITY, SOLAPUR



Political Science

CBCS Syllabus

BA-II

(Semester III & IV)

With effect from June- 2020-21

Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters. The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to lot of diversity in the system of higher education, there are multiple approaches followed by universities towards examination, evaluation and grading system. While the HEIs must have the flexibility and freedom in designing the examination and evaluation methods that best fits the curriculum, syllabi and teaching-learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the HEIs in the country. This creates difficulty for the academia and the employers to understand and infer the performance of the students graduating from different universities and colleges based on grades. The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated these guidelines.

BA II (Political Science) (CBCS)

SEMESTER III

PAPER III

Introduction to Political Theory

[Credits: 04 Theory-(), Practicals-()]

Objective of the Course: - The course aims to introduce certain key aspects of conceptual analysis in political theory and the skills required to engage in debates surrounding the application of the concepts.

Total Theory Lectures-(60)

Unit no: 1 (15)

Political Theory

- (a) Meaning
- (b) Nature and scope
- (c) Importance

Unit no: 2 (15)

State

- (a) Meaning
- (b) Elements of state

Unit no: 3 (15)

Nation

- (a) Meaning
- (b) Elements of nation
- (c) Difference between state and nation

Unit no: 4 (15)

Sovereignty

- (a) Meaning.
- (b) Kinds of sovereignty
- (c) Features of sovereignty
- (d) Theory of Austin and Laski about sovereignty

बी.ए. भाग-२ राज्यशास्त्र
सत्र- तिसरे
पेपर तीन
राजकीय सिद्धांताची ओळख
सुधारित अभ्यासक्रम (CBCS) जून २०२० पासून

Total theory lecture-(60)

| | |
|---|------|
| युनिट-०१ | (१५) |
| राजकीय सिद्धांत | |
| (अ)अर्थ | |
| (ब)स्वरूप आणि व्याप्ती | |
| (क)महत्व | |
| युनिट-०२ | (१५) |
| राज्य | |
| (अ)अर्थ | |
| (ब)राज्याचे घटक | |
| युनिट-०३ | (१५) |
| राष्ट्र | |
| अ) अर्थ | |
| ब) राष्ट्राचे घटक | |
| क) राज्य आणि राष्ट्र यामधील फरक | |
| युनिट-०४ | (१५) |
| सार्वभौमत्व | |
| अ) अर्थ | |
| ब) सार्वभौमत्वाचे प्रकार | |
| क) सार्वभौमत्वाची वैशिष्ट्ये | |
| ड) सार्वभौमत्वाविषयी ऑस्टिन व लास्कीचा सिद्धांत | |

Title of the Course/Paper
BA II (Political Science) (CBCS)
SEMESTER IV
PAPER V

Introduction to Political Theory

[Credits: 04 Theory-(), Practicals-()]

Objective of the Course: - The course aims to introduce certain key aspects of conceptual analysis in political theory and the skills required to engage in debates surrounding the application of the concepts.

Total Theory Lectures-(60)

Unit no: 1 (15)

Power

- (a) Meaning
- (b) Influence and power

Unit no: 2 (15)

Authority

- (a) Meaning
- (b) Kinds
- (c) Features of authority

Unit no: 3 (15)

Legitimacy

- (a) Meaning.
- (b) Authority and legitimacy
- (c) Bases of Legitimacy

Unit no: 4 (15)

- I) Liberty, Equality and Justice: Meaning and Types
- II) Democracy
 - (a) Meaning
 - (b) Features of democracy
 - (c) Kinds of democracy: Parliamentary and Presidential

बी.ए. भाग-२ राज्यशास्त्र
सत्र- चौथे
पेपर- पाच
राजकीय सिद्धांताची ओळख
सुधारित अभ्यासक्रम (CBCS) जून २०२० पासून

Total theory lecture-(60)

युनिट-०१

(१५)

सत्ता

(अ) अर्थ

(ब) प्रभाव आणि सत्ता

युनिट-०२

अधिसत्ता

(१५)

(अ) अर्थ

(ब) अधिसत्तेचे प्रकार

(क) अधिसत्तेची वैशिष्ट्ये

युनिट-०३

अधिमान्यता

(१५)

(अ) अर्थ

(ब) अधिसत्ता आणि अधिमान्यता

(क) अधिमान्यतेचे आधार

युनिट-०४

(१५)

I) स्वातंत्र्य, समता आणि न्याय: अर्थ आणि प्रकार

II) लोकशाही

अ) अर्थ

ब) लोकशाहीची वैशिष्ट्ये

क) लोकशाहीचे प्रकार- संसदीय आणि अध्यक्षीय

List of Reference Books:

- 1) E. Barker, Principles of Social & Political Theory, Calcutta, Oxford University Press, 1976
- 2) S.I. Benn & R.S. Peters, Social Principles & Democratic State, London, Geogre & Allen, 1959
- 3) A Brecht, Political Theory. The Foundation of Twentieth Century Political Thought, Bombay, The Times of India Press, 1963
- 4) M.Carnoy, The State & Political Theory, Princeton N.J. Princeton University Press. 1987.
- 5) D. Held, Models of Democracy, Cambridge, Policy Press, 1987.
- 6) D.Held, Political Theory & Modern State, Cambridge, Policy Press, 1989.
- 7) Laski H.J. – Grammer of Politics, Allen & Unwin, 1948.
- 8) Macpherson O.B. – Democratic Theory, Essays in Retrival, Oxford. The Claredon Press, 1977.
- 9) S. Ramswamy – Political Theory &: Ideas & Concepts, Delhi, Macmillan, 2002.
- 10) S.P. Verma – Modern Political Theory, New Delhi, Vikas, 1983.
- 11) Adi. H. Doctor, Issues in Political Theory.
- 12) Appadorai – The Substance of Politics.
- 13) B.C. Field – Political Theory
- 14) B.K. Gokhale , Poliical Scince, Himalaya Publishing House, New Delhi.
- 15) Oammen T. K. (1997), Citizenship, Nationality and Ethnicity, Rawat Publication, NewDelhi.
- 16) Dutt Sukumar (2004), Problem of Indian Nationality, Law Price Publication, New Delhi.

BA II (Political Science) (CBCS)

SEMESTER III

PAPER IV

MODERN INDIAN POLITICAL THOUGHT

[Credits: 04 Theory-(), Practicals-()]

Objective of the Course: - This is an introductory paper to the concepts, ideas and theories that developed in India. It highlights the main sources of the modern political tradition. It focuses on key thinkers from modern times to understand their seminal contribution to the evolution of political theorizing in India. It critically assesses their contribution and explains their relevance to contemporary times. It emphasizes on the distinctive contribution of Indian thinkers to political theorizing and the relative autonomy of Modern Indian Political Thought.

Total Theory Lectures-(60)

Unit no: 01 (15)

Raja Rammohan Roy

- (a) Social Reforms.
- (b) Political Thoughts.
- (c) The role of Roy in Indian renaissance.

Unit no: 02 (15)

Mahatma Phule

- (a) Views about British Rule.
- (b) Views about Equality
- (c) Liberty and Democracy

Unit no: 03 (15)

B. G. Tilak

- (d) Views about British Rule.
- (e) Nationalism.
- (f) Four – Fold Programme.

Unit no: 04 (15)

Mahatma Gandhi

- (a) Satya, Ahimsa and Satyagraha.
- (b) Concept of Swaraj
- (c) Theory of Trusteeship.

बी.ए. भाग 2 (राज्यशास्त्र)
सत्र तिसरे
पेपर चार
आधुनिक भारतातील राजकीय विचार
सीबीसीएस अभ्यासक्रम - जून 2020 पासून

युनिट 01

(15)

राजा राममोहन रॉय

अ) सामाजिक सुधारणा

ब) राजकीय विचार

क) भारतीय प्रबोधनातील रॉय ची भूमिका

युनिट 02

(15)

महात्मा फुले

अ) ब्रिटीश सत्तेविषयीचे विचार

ब) समताविषयक विचार

क) स्वातंत्र्य आणि लोकशाही

युनिट 03

(15)

लोकमान्य टिळक

अ) ब्रिटीश सत्तेविषयीचे विचार

ब) राष्ट्रवाद

क) चतुःसूत्री कार्यक्रम

युनिट 04

(15)

महात्मा गांधी

अ) सत्य, अहिंसा आणि सत्याग्रह

ब) स्वराज्याची संकल्पना

क) विश्वस्त सिध्दांत

BA II (Political Science) (CBCS)

SEMESTER IV

PAPER VI

MODERN INDIAN POLITICAL THOUGHT

[Credits: 04 Theory-(), Practicals-()]

Total Theory Lectures-(60)

Unit no: 1 (15)

Jawaharlal Nehru

- (a) Secular Nationalism
- (b) Democratic Socialism
- (c) Foreign Policy

Unit no: 2 (15)

Maulana Abul Kalam Azad

- (a) Religion and Politics
- (b) Nationalism
- (c) Democracy.

Unit no: 3 (15)

Dr. B.R. Ambedkar

- (a) Social Thought
- (b) State Socialism (Economic Thought)
- (c) Social Democracy

Unit no: 4 (15)

R.M. Lohia

- (a) Caste and Language
- (b) Four Pillar of the State.
- (c) Democratic Socialism

बी.ए. भाग 2 (राज्यशास्त्र)
सत्र चौथे
पेपर सहा
आधुनिक भारतातील राजकीय विचार
सीबीसीएस अभ्यासक्रम - जून 2020 पासून

युनिट 01

(15)

पंडीत नेहरू

- अ) धर्मनिरपेक्ष राष्ट्रवाद
- ब) लोकशाही समाजवाद
- क) परराष्ट्र धोरण

युनिट 02

(15)

मौलाना अबुल कलाम आझाद

- अ) धर्म आणि राजकारण
- ब) राष्ट्रवाद
- क) लोकशाही

युनिट 03

(15)

डॉ. बाबासाहेब आंबेडकर

- अ) सामाजिक विचार
- ब) राज्य समाजवाद (आर्थिक विचार)
- क) सामाजिक लोकशाही

युनिट 04

(15)

डॉ. राममनोहर लोहिया

- अ) जात आणि भाषा
- ब) चौखंबा राज्य
- क) लोकशाही समाजवाद

Reference Books :

1. A. Appadurai, Indian Political Thinking, Oxford Press.
2. K. P. Karunakaran, Indian Politics from Dadabhai Naoroji to Gandhi : A Study of Political Ideas of Modern India, New Delhi, Gitanjali, 1975.
3. B. R. Nanda, Gokhale, Gandhi and Nehru : Studies in Indian Nationalism, London, Allan and Unwin, 1974.
4. V. P. Varma, Modern Indian Political Thought.
5. K. K. Kavlekar & A. S. Chousalkar (Ed.), Political Ideas and Leadership of Babasaheb Ambedkar.
6. Bose N. K., Studies in Gandhism.
7. Bhattacharya G. P., Evolution of Political Philosophy of M. N. roy.
8. Jatava D. R., The Political Philosophy of Dr. B. R. Ambedkar, Phoenix Publishing Agency, Agra, 1986.
9. Das N. S., The Political Philosophy of Jawaharlal Nehru, 1961.
10. Prasadchandra Dev, Political Ideas of Dr. Ram Manohar Lohia, New Delhi, Commonwealth, 1989.
11. D. R. Bhandarkar, Some Aspects of Ancient Hindu Polity. 12. Ram Manohar Lohia, The Wheel of History, Hyderabad, Lohia Samiti, 1963.
12. -----"----- Marx, Gandhi and Socialism, Hyderabad, Navhind, 1956.
13. पाटील बी. बी. भारतीय राजकीय विचार, फडके प्रकाशन, कोल्हापूर
14. वराडकर र. घ. भारतीय राजकीय विचार, निराली प्रकाशन, पुणे
15. फाटक न. र. न्या. महादेव गोविंद रानडे यांचे चरित्र, मौज प्रकाशन, मुंबई
16. तळवळकर गोविंद, नवरोजी ते नेहरू, कॉन्टिनेंटल प्रकाशन, मुंबई
17. कुबेर वा. ना. डॉ. आंबेडकर विचारमंथन, केसरी, पुणे
18. चोपडे किसन, आधुनिक भारतातील राजकीय विचार, कैलास प्रकाशन, औरंगाबाद
19. भोळे भा.ल. आधुनिक भारतातील राजकीय विचार, पिंपळापुरे प्रकाशन, नागपूर

BA II (Political Science) (CBCS)

SEMESTER III

PAPER- IDS

PUBLIC ADMINISTRATION

[Credits: 04 Theory-(), Practicals-()]

Objective of the Course: - The paper is an introductory course in Public Administration. The essence of public administration lies in its effectiveness in translating the governing philosophy into programmes, policies and activities and making it a part of community living. The paper covers personnel public administration in its historical context thereby proceeding to highlight several of its categories, which have developed administrative salience and capabilities to deal with process of change.

Total Theory Lectures-(60)

Unit no: 1 (15)

Public Administration

- (a) Meaning, Definition.
- (b) Nature, Scope and Importance.
- (c) Public and Private Administration.

Unit no: 2 (15)

Principles of Organization

- (a) Hierarchy.
- (b) Span of Control
- (c) Unity of Command
- (d) Co-ordination

Unit no: 3 (15)

Units of Organization

- (e) Staff and Line Agencies
- (f) Department – Bases of Departmental Organization

Unit no: 4 (15)

Public Corporations

- (g) Characteristics.
- (h) Ministerial and Parliamentary control over Public Corporation
- (i) Challenges of Privatization in front of Public Corporation

बी.ए. भाग - 2, राज्यशास्त्र
सत्र - तिसरे
पेपर - आंतरविद्याशाखीय (आय.डी.एस.)
लोकप्रशासन
सीबीसीएस अभ्यासक्रम जून 2020 पासून

युनिट 01

लोकप्रशासन (15)

- अ) अर्थ, व्याख्या
- ब) स्वरूप, व्याप्ती व महत्व
- क) लोकप्रशासन आणि खाजगी प्रशासन

युनिट 02

(15)

संघटनेची तत्वे

- अ) पदसोपान
- ब) नियंत्रण कक्षा
- क) आज्ञेक्य
- ड) समन्वय

युनिट 03

(15)

संघटनेचे घटक

- अ) सल्लागार व रेषा घटक
- ब) खाते (विभाग) - खात्याचे आधारभूत घटक

युनिट 04

(15)

लोकनिगम (सार्वजनिक प्रमंडळे)

- अ) वैशिष्ट्ये
- ब) लोकनिगमांवरील मंत्रीमंडळ व संसदेचे नियंत्रण
- क) लोकनिगमांपुढील खाजगीकरणाची आव्हाने

BA II (Political Science) (CBCS)

SEMESTER IV

PAPER- IDS

PUBLIC ADMINISTRATION

[Credits: 04 Theory-(), Practicals-()]

Objective of the Course: - The paper is an introductory course in Public Administration. The essence of public administration lies in its effectiveness in translating the governing philosophy into programmes, policies and activities and making it a part of community living. The paper covers personnel public administration in its historical context thereby proceeding to highlight several of its categories, which have developed administrative salience and capabilities to deal with process of change.

Total Theory Lectures-(60)

Unit no: 01 (15)

Financial Administration (With reference to India)

- (a) Preparation and Passing of Budget
- (b) Financial Committees
 - (1) Estimate Committee
 - (2) Public Accounts Committee
 - (3) Committee on Public Undertakings

Unit no: 02 (15)

Public Policy

- (a) Definition,
- (b) Characteristics and Models

Unit no: 03 (15)

Citizen and Administration interface

- A) RTI
- B) Lokpal
- C) Citizens Charter and E-Governance.

Unit no: 04 (15)

Social Welfare Policies

- Education: Right to Education
- Health: National Health Mission
- Food: Right to food Security
- Employment: MNREGA

बी.ए. भाग - 2, राज्यशास्त्र
सत्र - चौथे
पेपर - आंतरविद्याशाखीय (आय.डी.एस.)
लोकप्रशासन
सीबीसीएस अभ्यासक्रम जून 2020 पासून

युनिट 01

(15)

वित्तीय प्रशासन (भारताच्या संदर्भात)

- अ) अंदाजपत्रकाची तयारी आणि मंजूरी
ब) संसदीय वित्तीय समित्या
- 1) अंदाज समिती
 - 2) सार्वजनिक हिशोब (लोकलेखा) समिती
 - 3) लोकोद्योग समिती

युनिट 02

(15)

सार्वजनिक धोरण

- अ) अर्थ
ब) वैशिष्ट्ये आणि प्रकार

युनिट 03

(15)

नागरिक आणि प्रशासन यातील आंतरसंबंध

- अ) माहितीचा अधिकार
ब) लोकपाल
क) नागरी सनद आणि ई-गव्हर्नन्स

युनिट 04

(15)

समाज कल्याणात्मक धोरणे

- शिक्षण- शैक्षणिक अधिकार
आरोग्य- राष्ट्रीय आरोग्य मिशन
अन्नधान्य- अन्नधान्य सुरक्षा अधिकार
रोजगार- मनरेगा

Reference Books :

1. White L. D. : Introduction to the Study of Public Administration.
2. Avasthi A. Maheshwari : Public Administration, (Agra, Laxminagar, Agrawal, 1962).
3. Nigro F. A. & Nigro L. G. : Modern Public Administration.
4. Barber Michael P. : Handbook of Public Administration. 19
5. Bhambhari C. P. : Public Administration.
6. Sharma M. P. : Public Administration in theory and practice.
7. T. Dye, (2002) Understanding Public Policy, New Delhi, Pearson.
8. पाटील बी. बी. लोकप्रशासन, फडके प्रकाशन, कोल्हापूर
9. इनामदार ना. र. लोकप्रशासन, कॉन्टीनेन्टल, पुणे
10. गर्दे दि. का. लोकप्रशासन, मंगेश प्रकाशन, नागपूर
11. काणे पी. सी. विद्या प्रकाशन, नागपूर
12. के. सागर. लोकप्रशासन के सागर प्रकाशन, पुणे

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|----------------|--|--|
| १ | Introduction to Political Theory (Sem. III) | Introduction to Political Theory (Sem. III) |
| २ | Introduction to Political Theory (Sem. IV) | Introduction to Political Theory (Sem. IV) |
| ३ | MODERN INDIAN POLITICAL THOUGHT (Sem. III) | MODERN INDIAN POLITICAL THOUGHT (Sem. III) |
| ४ | MODERN INDIAN POLITICAL THOUGHT (Sem. IV) | MODERN INDIAN POLITICAL THOUGHT (Sem. IV) |
| ५ | PUBLIC ADMINISTRATION (I.D.S.) (Sem. III) | PUBLIC ADMINISTRATION (I.D.S.) (Sem. III) |
| ६ | PUBLIC ADMINISTRATION (I.D.S.) (Sem. IV) | PUBLIC ADMINISTRATION (I.D.S.) (Sem. IV) |

Solapur University, Solapur
Nature of Question Paper for (CBCS) Semester Pattern

• Faculty of Humanities

(UG Courses)

(BA.II Political Science)

(w.e.f. June 2020)

Time – 2.00 Hours

Total Marks– 40 Marks

Instruction – (1) All questions are Compulsory.

(2) Figures to the right indicate full marks.

Q. 1) Multiple choice questions (08 Question) 08 Marks

(With four alternatives)

Q. 2) Write short Answers of the following 12 Marks

(Any 04 out of 06)

Q. 3) Answer any one long type question of the following 10 Marks

A

OR

B

Q. 4) Long answer type question 10 Marks



पुण्यश्लोक अहिल्यादेवी होळकर
सोलापूर विद्यापीठ
NAAC Accredited-2015
'B' Grade (CGPA 2.62)

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर
Punyashlok Ahilyadevi Holkar Solapur University, Solapur

केगाव, सोलापूर - ४१३ २५५, महाराष्ट्र (भारत)

दुरध्वनी क्र. ०२१७-२७४४७७८ / ११३/११५ (११ लाईन्स), फॅक्स : ०२१७-२३५१३००,
संकेतस्थळ: <http://su.digitaluniversity.ac.in> ई-मेल: registrar@sus.ac.in bos@sus.ac.in



अभ्यासमंडळे विभाग

जा.क्र.: पुअहोसोविसो/अमंवि/२०२०/ 8085

दि. - 9 OCT 2020

सुधारित पत्र

प्रति

मा. प्राचार्य/प्राचार्या

सर्व संलग्नित महाविद्यालये

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर

विषय : B.A. Part-II Optional English (W.e.f. June 2020-21) या अभ्यासक्रमाबाबत.

संदर्भ : विद्यापिठाचे यापूर्वीचे जा.क्र.पुअहोसोविसो/अमंवि/२०२०/७९२९ दि. ०३/१०/२०२० रोजीचे पत्र.

महोदय/महोदया,

उपरोक्त विषयास अनुसरून आपणास कळविण्यात येते की, यापूर्वीच्या संदर्भीय पत्रात अनावधानाने Optional English ऐवजी Compulsory English आणि B.Com Part-II असे नमूद करण्यात आलेले आहे. सदरचे पत्र रद्द समजण्यात यावे.

सदरहू सुधारित पत्राद्वारे आपणास कळविण्यात येते की, शैक्षणिक वर्ष २०२०-२१ पासून बी.ए. भाग-२ ऐच्छिक इंग्रजी (Optional English) अभ्यासक्रमामधील दुरूस्ती खालील प्रमाणे आहे.

| संदर्भीय पत्रान्वये यापूर्वी कळविलेले | सुधारित |
|--|--|
| B.A. Part-II and B.Com Part-II मधील सत्र-३ च्या (Compulsory English) Indian Writing in English या पेपर मधील Drama Asif Currimbhoy : The Dumb Dancer (A Writers Workshop, 1992) या पाठयक्रमाचे Text Book उपलब्ध होत नसल्याने या पाठयक्रमा ऐवजी Mahesh Dattani : Bravely Fought The Queen या अभ्यासक्रमाचा समावेश करण्यात आला आहे. | शैक्षणिक वर्ष २०२०-२१ पासून सुरु झालेल्या B.A. Part-II मधील सत्र-३ च्या (Optional English) Indian Writing in English या पेपर मधील Drama Asif Currimbhoy : The Dumb Dancer (A Writers Workshop, 1992) या पाठयक्रमाचे Text Book उपलब्ध होत नसल्याने या पाठयक्रमा ऐवजी Mahesh Dattani : Bravely Fought The Queen या अभ्यासक्रमाचा समावेश करण्यात आला आहे. |

सदर बदल झालेला सुधारित अभ्यासक्रम प्रस्तुत विद्यापीठाच्या संकेत स्थळावर BOS (Syllabus, Circulars etc.) या मथळ्याखाली अपलोड करण्यात आला आहे. याची कृपया नोंद घेऊन आपल्या महाविद्यालयातील सर्व संबंधित अध्यापक वर्ग व विद्यार्थ्यांच्या निदर्शनास आणून दयावे, ही विनंती.



आपला विश्वासू,

(प्र. रा. चोरमले)

सिस्टीम अॅनालिस्ट

अभ्यासमंडळे विभाग

प्रत माहितीस्तव: १) मा. संचालक, शैक्षणिक, संशोधन व विकास विभाग, पुअहोसोविसो.

२) मा. संचालक, परीक्षा व मूल्यमापन मंडळ, पुअहोसोविसो.

३) मा. अधिष्ठाता, मानवविज्ञान विद्याशाखा, पुअहोसोविसो.

४) मा. अध्यक्ष, इंग्रजी अभ्यासमंडळ, पुअहोसोविसो.



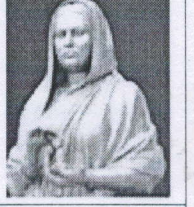
पुण्यश्लोक अहिल्यादेवी होळकर
सोलापूर विद्यापीठ
11 शिक्षण संयोजना II
NAAC Accredited-2015
B' Grade (CGPA 2.62)

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर
Punyashlok Ahilyadevi Holkar Solapur University, Solapur

केगाव, सोलापूर - ४१३ २५५, महाराष्ट्र (भारत)

दुरध्वनी क्र. ०२१७-२७४४७७८ / ११३/११५ (११ लाईन्स), फॅक्स : ०२१७-२३५१३००,

संकेतस्थळ: <http://su.digitaluniversity.ac.in> ई-मेल: registrar@sus.ac.in bos@sus.ac.in



अभ्यासमंडळे विभाग

जा.क्र.: पुअहोसोविसो/अमंवि/२०२०/ 7929

दि. - 3 OCT 2020

प्रति

मा. प्राचार्य/प्राचार्या,

सर्व संलग्नित महाविद्यालये,

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर.

विषय : B.A. Part-II and B.Com Part-II Compulsory English (W.e.f. June २०२०-२१) या
अभ्यासक्रमाबाबत.

संदर्भ : १) मा. अध्यक्ष, इंग्रजी अभ्यासमंडळ यांचे दि. १८/०९/२०२० रोजीचे ई-मेल.

२) अभ्यासमंडळे विभागाची दि. २१/०९/२०२० रोजीची मान्य टिपणी.

महोदय/महोदया,

उपरोक्त विषयास अनुसरून आपणास कळविण्यात येते की, शैक्षणिक वर्ष २०२०-२१ पासून सुरू झालेल्या B.A. Part-II and B.Com Part-II मधील सत्र-३ च्या (Compulsory English) Indian Writing in English या पेपर मधील Drama Asif Currimbhoy : The Dumb Dancer (A Writers Workshop, १९९२) या पाठयक्रमाचे Text Book उपलब्ध होत नसल्याने या पाठयक्रमा ऐवजी Mahesh Dattani : Bravely Fought The Queen या अभ्यासक्रमाचा समावेश करण्यात आला आहे.

सदर बदल झालेला सुधारित अभ्यासक्रम प्रस्तुत विद्यापीठाच्या संकेत स्थळावर BOS (Syllabus, Circulars etc.) या मथळ्याखाली अपलोड करण्यात आला आहे. याची कृपया नोंद घेऊन आपल्या महाविद्यालयातील सर्व संबंधित अध्यापक वर्ग व विद्यार्थ्यांच्या निदर्शनास आणून द्यावे, ही विनंती.



आपला विश्वासू,

(प्र. रा. चोरमले)

सिस्टीम अॅनालिस्ट

अभ्यासमंडळे विभाग

प्रत माहितीस्तव: १) मा. संचालक, शैक्षणिक, संशोधन व विकास विभाग, पुअहोसोविसो.

२) मा. संचालक, परीक्षा व मूल्यमापन मंडळ, पुअहोसोविसो.

३) मा. अधिष्ठाता, मानवविज्ञान विद्याशाखा, पुअहोसोविसो.

४) मा. अध्यक्ष, इंग्रजी अभ्यासमंडळ, पुअहोसोविसो.

PUNYASHLOK AHILYADEVII HOLKAR SOLAPUR UNIVERSITY, SOLAPUR



**NAAC Accredited-2015
'B' Grade (CGPA 2.62)**

Name of the Faculty : Faculty of Humanities

Name of the Course:

**B.A. and B. Com. II Compulsory English
(Revised Syllabus)**

With effect from June-2020-21, 21-22, 22-23

1) Preamble:

English being a global language has acquired importance for success in academic and professional areas. The syllabus prescribed for the present paper introduces to the students soft skills and communication skills, grammar, prose and poetry. They are prescribed and designed with student centric and practical approach.

2) Objectives of the Course:

- To comprehend the language skills.
- Use some simple language expressions in day to day life.
- To develop the vocabulary of the students.
- To improve the communicative skills of the students.

3) Course Outcome

At the end of the course the students will

- Acquire language skills required for day to day and specific purpose.
- Be able to interpret and illustrate concepts of Communication, Prose and Poetry.
- Be able to analyze and interpret the text prescribed.
- Develop certain life skills and strengthen strategies to develop vocabulary.

Title of the Course / Paper

(English Compulsory)

[Credits: 4]

Unit no: 1 Prose (Credit: 01) (15)

Unit no: 2 Poetry

(Credit for Unit 2 and 3: 01)

Unit no: 3 Grammar (15)

Unit no. 4 Communication Skills (Credit for Unit 4: 02) (30)

Reference Books:

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|----------------|------------------------------|------------------------------|
| 1) | Compulsory English | Compulsory English |

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

Question Paper pattern

B. A. –II (Semester III and IV)

ENGLISH (Compulsory) Revised Syllabus (CBCS)

(Introduced from June 2020)

Que.1 Rewrite the following by choosing the correct alternative. (08)

(Poems, prose and grammar))

Que.2 Write the answers in short. (Any Four out Six) (12)

(Prose& Poetry)

Que.3 Broad question (any one) (10)

(Communication Skills)

Que. 4 Broad question General topics (10)

(Communication skill)

PUNYASHLOK AHILYADEVJI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

B.A. - II (Semester III)

English Optional

Revised Syllabus (CBCS)

(Introduced from June 2020)

BRITISH LITERATURE

Paper No. III

2020-21, 21-22 and 22-23

- 1) **Preamble:** British literature is widely read and interpreted worldwide. It is necessary to introduce to the students different British literary forms and literary traditions.
- 2) **Objectives of the Course:**
 - To introduce to the students British Literature and writers.
 - To initiate process of literary and critical interpretation of the texts.
 - To acquaint students with drama and types of poetry
 - To acquaint students with historical background and literary characteristics of the texts.
 - To make the students familiar with various cross-cutting issues.
- 3) **Course Outcome:** At the end of the course the students will be
 - Familiar with a few British writers
 - Familiar with some of the dramas and dramatists
 - Able to understand the features of the text

SEMESTER: III

Drama:

Credits : 2

- Oliver Goldsmith: She Stoops to Conquer

Poems:

Credit : 1

- | | | |
|-----------------------------|---|----------------------|
| 1. To His Coy Mistress | - | Andrew Marvell |
| 2. Soldier | - | Rupert Brooke |
| 3. No Second Troy | - | William Butler Yeats |
| 4. Under the Greenwood Tree | - | William Shakespeare |
| 5. Dover Beach | - | Matthew Arnold |
| 6. Ode on a Grecian Urn | - | John Keats |

General Topic:

Credit 0.5

- Characteristic features of Comedy of Manners

Literary Terms:

Credit 0.5

- Canon of Literature
- Flat and Round Characters
- Biography and Autobiography
- Confidant
- Novel and Novella
- Heroic Couplet.
- Paradox
- Pastoral
- Poetic Justice
- Poetic Diction

List of References:

- David Daiches. A Critical History of English Literature - Volume 1 and 2 (Combo Pack. Supernova Publishers
- Ford Boris: The Pelican Guide to English Literature
- She Stoops to Conquer, New Mermaids edition
- Martinez, Nancy C. Guide to British Poetry Explication. Boston, MA: G.K. Hall, 1991-1995.
- David Scott Kastan, ed., The Oxford Encyclopedia of British Literature. Oxford University Press 2005.

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

B.A. (English) Part II

British Literature

Pattern of Question Paper For Sem III Paper III

Total Marks: 40

Q. 1 Rewrite the following sentences choosing the correct alternative: - (08 Marks)

(Poetry/ Drama)

Q. 2 Answer any Four out of Six in two/three sentences: - (12 Marks)

(Literary Terms, Survey Topic)

Q. 3 Broad Answer type questions with internal option. (10 Marks)

(Poems)

Q.4 Answer any one of the following: - (10 Marks)

(Drama)

PUNYASHLOK AHILYADEVJI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR.

B. A. –II (Semester IV)

ENGLISH (OPTIONAL)

Revised Syllabus (CBCS)

(To be introduced from June 2020)

INTRODUCTION TO LANGUAGE

PAPER NO. V

(2020-21, 2021-22, 2022-23)

1) Preamble: The paper ‘Introduction to Language’ is introduced to B.A. –II (Optional) students for Semester IV with the aim to introduce English language. The aim of the paper is to familiarize students with the nature of human language and animal communication systems. The paper will also acquaint students with speech and writing which are two forms of language. The paper has two more chapters on phonology and morphology. These topics introduce the students with the basic concepts of language study and linguistics.

2) Objectives of the Course:

1. To acquaint students with the nature of human language.
2. To acquaint students with animal communication system.
3. To familiarize students with difference between human language and animal communication system.
4. To acquaint students with characteristics of two forms of language namely speech and writing
5. To introduce students to the basic concepts in phonology.
6. To introduce students to the basic concepts in morphology.
7. To acquaint students with morphological processes in English.

3) Course outcome

1. Student will know the nature of human language and animal communication system.
2. Students will know the characteristics of speech and writing.
3. Students will be able to do Phonemic transcription of words in English.
4. Students will be able to pronounce the word correctly with accent/ stress.
5. Students will be able to identify word formation process of a word.
6. They will be able to coin new words.

1. Human Language and Animal Communication System.

- 1.1 Definitions of Language.
- 1.2 Characteristic features of human Language.
- 1.3 Animal Communication System.
- 1.4 Difference between Human Language and Animal Communication System.

2. Phonetics and Phonology

- 2.1 Phonetics and Phonology
- 2.2 Types of Phonetics- Articulatory, Auditory and Acoustic.
- 2.3 Articulatory Phonetics
- 2.4 Initiation, Phonation and Articulation.
- 2.5 Air Stream Mechanism/Speech mechanism
- 2.6 Organs of Speech
- 2.7 Phonemes
- 2.8 Consonants
- 2.9 Vowels
- 2.10 Description of Speech Sounds(Three Term Labels)
- 2.11 Word Stress/accent
- 2.12 Phonemic Transcription.
- 2.13 Weak Forms
- 2.14 Intonation.

3. Morphology

- 3.1 Definition of morphology
- 3.2 Types of Morphemes- free and Bound morphemes.
- 3.3 Affixes and its Types—Prefixes and Suffixes
- 3.4 Morphological/ Word Formation processes in English—Major and Minor
- 3.5 Labelled Morphological analysis.

List of Reference Books:

1. Bansal, R. K., & Harrison J.B. (2006). Spoken English. Hyderabad: Orient Longman.
2. Balasubramanian, T. (2008). A Textbook of English Phonetics for Indian Students. Chennai: Macmillan.
3. Hockett, C. (1960). A Course in Modern Linguistics. London: Macmillan.
4. Jones, D. (1992). The Pronunciation of English. Cambridge: Cambridge University Press.
5. O' Connor, J.D. (1997). Better English Pronunciation. New Delhi: UBS. Roach, P. (1990).
6. English Phonetics and Phonology: A Practical Course. Cambridge: Cambridge University Press. Sethi J., Sadanand. K., & Jindal, D. V. (2004).
7. A Practical Course in English Pronunciation. New Delhi: PHI.
8. Yule, G. (1995). The Study of Language. Cambridge: Cambridge University Press.
9. Quirk and Greenbaum. A University Grammar of English
10. Langscker R. W. Language and its Structure
11. An Introduction to English Morphology: Word and their Structure

Semester: IV

Introduction to Language

Unit no: 1 (Credit 01) (No. of Lectures: 15)

Human Language and Animal Communication

Unit no: 2 (Credit 2) (No. of Lectures: 30)

Title of the Unit: Phonetics and Phonology

Unit no.3 (Credit: 01) (No. of Lectures: 15)

Title of the Unit: Morphology

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR.

B. A. –II (Semester IV)

ENGLISH (OPTIONAL) Paper V

Title of the Paper: Introduction to Language

Nature of Question Paper

Q.1. Rewrite the following sentences choosing the correct alternative 8 Marks

(All Topics to be covered)

Q.2. Answer **any four** of the following questions.(Out of six) 12 Marks

(Practical type questions to be set on the syllabus topic two and three)

Q.3. Answer **any one** of the following questions. 10 Marks

(A broad answer type question to be set with an internal option on syllabus topic two and three)

Q.4. Answer the following question. 10 Marks

(Abroad answer type question to be set on the topic Human Language and Animal Communication System)

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B.A. Part-II (English)

Indian Writing in English

(Paper-IV and VI)

Semester III & IV

(2020-21, 2021-22, 2022-2023)

(CBCS Semester Pattern Syllabus *w.e.f.* June, 2020)

❖ **Preamble:**

In continuation with study of representative early 20th century Indian English writers/writing in B.A. Part II, students are to be further acquainted with development of this body of writing in later 20th and early 21st century with a focus on major literary genres.

❖ **Objectives of the Course:**

- To introduce students to Indian socio-cultural scenario as reflected in the writings of post-independence Indian English writers.
- To help them understand the pluralistic dimensions and different genres of Indian English literature.
- To acquaint them with variety of themes, styles as reflected in the prescribed texts.

❖ **Course Outcome:**

By the end of the course, students will-

- Understand gradual development of Indian English literature from mid-twentieth century to post 2000 period.
- Get acquainted with major genres/themes through the study of texts prescribed.
- Be familiar with Indian socio-cultural ethos as revealed through texts prescribed and try to correlate it with everyday situations.
- Be able to understand and interpret literature on their own and in further cultivate interest in study of literatures in English.

Semester III

I.) General/Survey Topics: (Credit: 01) (Lectures-15)

1. Characteristic features of Post-independence Indian drama
(With reference to prescribed texts)

II.) Poems Prescribed: (Credit: 01) (Lectures-15)

1. ArunKolatkcar:The Bus.
2. Kamala Das: A Hot Noon in Malbar
3. Vikram Seth: Round and Round.
4. ImtiazDharker: Another Woman.
5. Agha Shahid Ali: Postcard from Kashmir

III.) Drama: (Credit: 02) (Lectures-30)

Mahesh Dattani: Bravely Fought the Queen

Semester IV

I.) General/Survey Topics: (Credit: 01) (Lectures-15)

1. Salient Features of Post-Independence Indian English Novel.
(With special reference to text prescribed)

II.) Poems Prescribed: (Credit: 01) (Lectures-15)

1. Gieve Patel: On Killing a Tree
2. Sarojini Naidu: The PardahNashin
3. Nissim Ezekiel: Philosophy.
4. A. K. Ramanujan: Obituary.
5. Shiv K. Kumar: Pilgrimage.

III.) Novel: (Credit: 02) (Lectures-30)

ShashiDeshpande: That Long Silence

❖ **Reference Books:**

1. R. Parthsarathy (edi): Ten Twentieth Century Indian Poets (Oxford University Press-2001)
2. MenkaShivadasani (edi): Anthology of Contemporary Indian Poetry (Vol. 1) Big Bridge Press, 2013.
3. A.K. Mehrotra (edi): Oxford Indian Anthology of Twelve Indian Modern Poets (Oxford Uni. Press 1993)
4. Bruce King: Three Indian Poets: Nissim Ezekiel, A.K. Ramanujan, DomMoraes. (OUP-1991)
5. K. R. SrinivasIyengar: Indian Writing in English, (Sterling publishers, 1962.)
6. M.K. Naik: A History of Indian English Literature. (SahityaAkademi, New Delhi, 1982)
7. NatesanSharadaIyer: Musings on Indian Writing: Drama (Sarup and Sons, 2007)
8. KaustavChakraborty: Indian Drama in English.
9. A.N. Dwivedi: Studies in Contemporary English Drama.
10. Dr. S.S. Upase: Power in Karnad's Plays.
11. Nandkumar: Indian English Drama: Study in Myths.
12. N. Bharucha and Vilas Sarang (edi): Indian English Fiction – 1980-90- An Assessment.
13. Shashi, Deshpande. *That Long Silence*, Penguin Books, New Delhi.
14. Currimbhoy, Asif .*The Dumb Dance*, Writers workshop, Calcutta. 1992

PUNYSHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

B.A. (English) Part II

Indian Writing in English

Texts/Chapter Wise Credit Distribution

Semester III

[Credits: Theory (04), Practicals (0)]

Theory Lectures – 60

Unit No. 1- (Credit-01) (Lectures: 15)

Title of the Unit: General/Survey Topics:

Unit No. 2- (Credit-01) (Lectures: 15)

Title of the Unit: Poems

Unit No. 3- (Credit-02) (Lectures: 30)

Title of the Unit: Drama/ Fiction

Semester-IV

[Credits: Theory -(04), Practicals (00)]

Theory Lectures - 60

Unit No. 1- (Credit -01) (Lectures: 15)

Title of the Unit: General/Survey Topics:

Unit No. 2-Poems (Credit -01) (Lectures: 15)

Title of the Unit: Poems:

Unit No. 3- (Credit -02) (Lectures: 30)

Title of the Unit: Drama/ Novel

❖ **Course Structure:**

| Semester | Paper No. | Title of Paper | No. of Lectures | College Assessments (Marks) | University Assessments (Marks) | Total Marks | Credits |
|----------|-----------|---------------------------|-----------------|-----------------------------|--------------------------------|-------------|---------|
| III | IV | Indian writing in English | 60 | 10 | 40 | 50 | 04 |
| IV | VI | Indian English Literature | 60 | 10 | 40 | 50 | 04 |
| | | | | | | | |

PUNYASHLOK AHILYDEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

B.A. (English) Part II

Indian Writing in English

Pattern of Question Paper For Sem III and IV Paper IV and VI

Total Marks: 40

Q. 1 Rewrite the following sentences choosing the correct alternative: - (08 Marks)

(Poetry/Drama/Fiction)

Q. 2 Answer any Four out of Six in two/three sentences: - (12 Marks)

(2 Poetry/2 Drama/Fiction, 2 Survey Topic)

Q. 3 Broad Answer type questions with internal option. (10 Marks)

(Poems)

Q.4 Answer any one of the following: - (10 Marks)

(Novel/Drama)

B.A. Part II Semester III & IV

Linguistics IDS

(With effect from 2020-2021)

Title of the Paper: **Basics of Linguistics**

Preamble : The paper ‘Basics of Linguistics’ is introduced at BA (Part II) for semester III & IV as an IDS paper of Linguistics with an aim to introduce students with the basic knowledge of Linguistics and more specifically it is an introduction of ‘Linguistics’ as an IDS subject for those who opt for any language as a special subject. The components in the syllabus will cope with the present need of the students in the socio- educational scenario.

Course Objectives:

- To introduce students to the basics of linguistics
- To apply the knowledge of linguistics in day to day use of English
- To make students aware of the recent trends in Linguistics
- To familiarize students with Linguistics as a field of study
- To enable them to use language properly in communication

Course Outcome:

At the end of the course, the students will be able to-

- Explain the basic concepts in Linguistics
- Apply knowledge of Linguistics in daily communication
- Elucidate recent trends in Linguistics
- Communicate with proper pronunciation

Semester III

1. Language and Linguistics (30 L)

- 1.1 Language and its definitions
- 1.2 Characteristics of human language
- 1.3 Animal communication system and human language.
- 1.4 Linguistics: Levels of organization of language

2. Phonetics and Phonology (30L)

- 2.1 Phonetics and Phonology.
- 2.2 Articulatory Phonetics
- 2.3 Initiation, Phonation and articulation
- 2.4 Description of speech sounds of English: Consonants and Vowels.
- 2.5 Transcription (Phonemic) of words with stress, minimal pairs, CV structure of syllables, weak forms and intonation patterns.

Semester-IV

3 Morphology and Syntax (30 L)

- 3.1 Morphology, morpheme and its types.
- 3.2 Word formation Processes; Major and Minor.
- 3.3 Morphological Analysis of Words (labeled tree diagram)
- 3.4 Words: Open class words and closed classes

4 Semantics and pragmatics (30 L)

- 4.1 Semantics and its definitions
- 4.2 Lexical relations: Synonym, Antonym, Polysemy, Homonymy and Homophone.
- 4.3 Pragmatics and its definitions
- 4.4 Speech acts, implicature, politeness and cooperative principle

Books Recommended

- Verma and Krishnaswamy; *Modern Linguistics; An Introduction*
- Crystal, David: *A Course in Modern Linguistics*.
- Balasubramanian, T: *A Textbook of English Phonetics for Indian Students*
- Bansal and Harrison : *Spoken English for India*
- Quirk, R. and S. Greenbaum: *A University Grammar of English*
- Lyons, John: *Language and Linguistics*
- Palmer: *Semantics*
- Jones, Daniel: *English Pronouncing Dictionary*
- Leech Geoffrey: *English Grammar for Today*.
- Yule, George, *Pragmatics*
- Krishnaswamy, N., S. K. Verma and M. Nagarajan. *Modern Applied Linguistics*.

Nature of Question paper

BA II (Sem3) Linguistics (IDS)

Name of the Paper: Basics of Linguistics

Q1 Multiple type questions to be set on the syllabus topic 2

(Phonetics and Phonology/ Morphology and Syntax)

Marks 8

Q2 Short answer type questions (practical type questions) to be set on the syllabus topic2

(Phonetics and Phonology / Morphology and Syntax) (4out of6)

Marks12

Q3 A broad answer type question with an internal option (A or B) to be set on the syllabus topic 1

(Language and Linguistics / Semantics and Pragmatics)

Marks 10

Q4 A broad question on the syllabus topic 1

(Language and Linguistics / Semantics and Pragmatics)

Marks 10

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

Revised Syllabus (CBCS)

(Introduced from June 2020)

B.A.II - OPTIONAL LINGUISTICS

Title of the Paper: Semantics

1. **Preamble:** The paper 'Semantics' is introduced at B.A.II for Semester III & IV as an optional paper of Linguistics with the basic knowledge of Semantics and more. specifically it is an introduction to Semantics as an independent subject. The components in the syllabus will cope with the present need of the students in the socio-educational scenario.
2. **Objectives:**
 - To acquaint the students with the nature and significance of Semantics.
 - To impart to the students the knowledge of Semantics.
3. **Outcome:** At the end of the course students will...
 - Understand the significance of Semantics.
 - Have a clear understanding of Semantics.

SEMESTER III (Paper No. – III)

1. Introduction to Semantics (Credit 2)
 - Traditional Semantics
 - Approaches to Semantics
 - Context & Reference
 - The Exclusion of Context
 - Context of Situation
 - Generative Versus Interpretative Semantics
 - Semantic Testing
2. Units of Semantics (Credit 1)
 - The Word
 - The Sentence
 - Propositions
3. Lexical Semantics (Credit 1)
 - Collocation
 - Idioms

SEMISTER IV (Paper - V)

1. Components & Contrasts of Meanings (Credit 2)
 - Componential Analysis
 - Justifying Componential Analysis
 2. Meaning Relations (Credit 1)
 - Synonymy
 - Antonymy
 - Polysemy & Homonymy
 - Ambiguity
 3. Seven Types of Meaning (Credit 1)
 - Conceptual Meaning
 - Connotative Meaning
 - Social Meaning
 - Affective Meaning
 - Reflected Meaning
 - Collective Meaning
 - Thematic Meaning
-

NATURE OF QUESTION PAPER

Semester III (Paper III) Marks: 40

- Q.1. Objective type question (on all topics) 8 Marks
- Q.2. Answer any four of the following questions. (on Lexical Semantics) 12 Marks
- Q.3. Answer any one of the following questions. (on Approaches to Semantics/Units of Semantics) 10 Marks
- Q.4. Answer the following question. (on Approaches to Semantics/Units of Semantics) 10 Marks

Semester IV (Paper V) Marks: 40

- Q.1. Objective type question (on all topics) 8 Marks
- Q.2. Answer any four of the following questions. (on Meaning Relations) 12 Marks
- Q.3. Answer any one of the following questions. (on Approaches to Semantics/Units of Semantics) 10 Marks
- Q.4. Answer the following question. (on Approaches to Semantics/Units of Semantics) 10 Marks
-

Books Recommended:

1. Leech, G.N. 1974. *Semantics*. Pelican.
2. Palmer, F.R. 1981. *Semantics*. Cambridge.

Revised Syllabus (CBCS)

(Introduced from June 2020)

B.A.II - OPTIONAL LINGUISTICS

SOCIOLINGUISTICS

1. **Preamble:** The paper 'Sociolinguistics' is introduced at B.A.II for Semester III & IV as an optional paper of Linguistics with the basic knowledge of Sociolinguistics and more specifically it is an introduction to Sociolinguistics as an independent subject. The components in the syllabus will cope with the present need of the students in the socio-educational scenario.
2. **Objectives:**
 - To acquaint the students with the nature and significance of Sociolinguistics.
 - To impart the students to the knowledge of Sociolinguistics.
3. **Course Outcome:**
 - Critically analyze Sociolinguistic studies
 - Develop the competence to explore a specific sociolinguistic topic in depth

SEMESTER III (Paper - IV)

1. Introduction to Sociolinguistics (30 L) (Credits 2)
 - Scope of Sociolinguistics
 - Meaning of Sociolinguistics
 - Nature of Sociolinguistics
 - Sociolinguistic Conditions
 - Sociolinguistic Truths
 - Sociolinguistic Development of Language
2. Language Variation (30 L) (Credits 2)
 - Linguistic Items
 - Varieties of Language
 - Speech Community
 - Language Dialect, Register
 - Standard Language
 - Mixture of Varieties
 - Pidgin & Creole

SEMESTER IV (Paper – VI)

- | | |
|---------------------------------------|--------------------|
| 1. Language, Culture & Thought | (30 L) (Credits 2) |
| - Linguistics & Culture | |
| - Language & Thought | |
| 2. Bilingualism & Multilingualism | (30 L) (Credits 2) |
| - Societal Bilingualism | |
| - Balanced Bilingualism | |
| - Additive & Subtractive Bilingualism | |
| - Multilingualism | |
-

NATURE OF QUESTION PAPER

Semester III (Paper – IV) Marks: 40

- | | |
|---|----------|
| Q.1. Objective type question (on all topics) | 8 Marks |
| Q.2. Answer any four of the following questions. (Language Variation) | 12 Marks |
| Q.3. Answer any one of the following questions. (Sociolinguistics/Language Variation) | 10 Marks |
| Q.4. Answer the following question. (Sociolinguistics/Language Variation) | 10 Marks |

Semester IV (Paper VI) Marks: 40

- | | |
|--|----------|
| Q.1. Objective type question (on all topics) | 8 Marks |
| Q.2. Answer any four of the following questions. (Bilingualism) | 12 Marks |
| Q.3. Answer any one of the following questions. (Language, Culture & Thought/Bilingualism & Multilingualism) | 10 Marks |
| Q.4. Answer the following question. (Language, Culture & Thought/Bilingualism & Multilingualism) | 10 Marks |
-

**PUNYASHLOK AHILYADEVJI HOLKAR SOLAPUR
UNIVERSITY, SOLAPUR**



Name of the Faculty: Science & Technology

CHOICE BASED CREDIT SYSTEM

Syllabus: BOTANY

Name of the Course: B.Sc. II (Sem.–III& IV)

(Syllabus to be implemented from w.e.f. June 2020)

Draft Structure for B. Sc-II

Core Subject: Botany

PUNYASHLOK AHILYADEVI HOLKAR

Solapur University, Solapur

Faculty of Science & Technology

Choice Based Credit System (CBCS) (w.e.f.2020-21)

| Subject/ Core Course | Name and Type of the Paper | | No. of papers/ Practical | Hrs/week | | | Total Marks Per Paper | UA | CA | Credits |
|--|-------------------------------|------------|--------------------------------|----------|----|----|--------------------------------|-----|-----|---------|
| | Type | Name | | L | T | P | | | | |
| Class : | B.Sc.- II Semester – III | | | | | | | | | |
| Core (*Students can opt any Three subjects among the Four Subjects offered at B.Sc.I. Out of Three Subjects offered One Subject will be the Core Subject OR | DSC 1C | Paper-V | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VI | 3.0 | -- | -- | 50 | 40 | 10 | | |
| | DSC 2C | Paper-V | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VI | 3.0 | -- | -- | 50 | 40 | 10 | | |
| | DSC 3C | Paper-V | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VI | 3.0 | -- | -- | 50 | 40 | 10 | | |
| AECC - Environmental Studies | | | 3.0 | -- | -- | - | - | - | NC | |
| SEC-1 | | | 2.5 | | | 50 | 40 | 10 | 2.0 | |
| Grand Total | | | | 23.5 | -- | -- | 350 | 280 | 70 | 14 |
| Class : | B.Sc.- II Semester – IV | | | | | | | | | |
| Core (*Students can opt any Three subjects among the Four Subjects offered at B.Sc.I. Out of Three Subjects offered One Subject will be the Core Subject OR Students can opt any Two subjects among the Four Subjects offered at B.Sc.I. Out of Two Subjects One Subject will be the Core Subject and any One Subject among the other will be | DSC 1D | Paper-VII | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VIII | 3.0 | -- | -- | 50 | 40 | 10 | | |
| | DSC 2D | Paper-VII | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VIII | 3.0 | -- | -- | 50 | 40 | 10 | | |
| | DSC 3D | Paper-VII | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VIII | 3.0 | -- | -- | 50 | 40 | 10 | | |

| | | | | | | | | | | |
|-------------------|-------------|------------|----|------|----|-----|------|-----|-----|-----|
| Elective Subject | | | | | | | | | | |
| | | SEC-2 | | 2.5 | | | 50 | 40 | 10 | 2.0 |
| Total (Theory) | | | | 20.5 | -- | -- | 350 | 280 | 70 | 14 |
| DSE (Practical) | DSC 1C & 1D | Pr. III&IV | -- | -- | 8 | 50 | 40 | 10 | 4.0 | |
| | DSC 2C & 2D | Pr. III&IV | -- | -- | 8 | 50 | 40 | 10 | 4.0 | |
| | DSC 3C & 3D | Pr. III&IV | -- | -- | 8 | 50 | 40 | 10 | 4.0 | |
| Total (Practical) | | | | | 24 | 300 | 240 | 60 | 12 | |
| Grand Total | | | | 43.5 | | 24 | 1000 | 800 | 200 | 40 |

Abbreviations:

L: Lectures

T: Tutorials

P: Practicals

UA: University Assessment

CA: College Assessment

DSC / CC: Core Course

AEC: Ability Enhancement Course

DSE: Discipline Specific Elective Paper

SEC: Skill Enhancement Course

GE: Generic Elective

CA: Continuous Assessment

ESE: End Semester Examination

B.Sc.II SYLLABUS WITH EFFECT FROM JUNE 2020

SEMESTER- III

Paper V Plant Anatomy

35Lectures

Unit 1: Meristematic tissue (8 Lectures)

Introduction, Characteristics and Classification of meristems based on position
Classification of meristem based on origin, position and plain of division.
Theories of structural development
a) Apical cell theory
b) Histogen theory
c) Tunica Corpus theory.

Unit 2. Permanent tissue: (08Lectures)

Simple and complex tissue
structure and function of simple tissues
a) Parenchyma . b) Collenchyma c) Sclerenchyma
structure and function of Complex tissue
a) Xylem b) Phloem
Types of Vascular bundles

Unit 3. Primary structure of plant body. (06Lectures)

Primary structure of Monocotyledon and Dicotyledon root.
Primary structure of Monocotyledon and Dicotyledon stem.

Unit 04 . . Secondary structure of plant body. (08Lectures)

Normal secondary growth in Dicotyledon root and stem
Anamalous | secondary growth in Bignonia (Dicot.) and Dracaena stem.
4.1 Vascular cambium – structure and function
4.4 Periderm and Lenticel, Tylosis, Wood types.

Unit 5: Tissue system . (05Lectures)

5.1 : Epidermal tissue system

5.2: Secretory tissue system

5.3: Mechanical tissue system

Paper VI

Plant metabolism

35 Lectures

Unit 1: Enzymes

(8 Lectures)

Introduction.
Classification of enzymes.
mechanism of enzyme action.
Properties of enzymes.

Unit 2: Nitrogen metabolism

(5 Lectures)

Introduction,
Nitrogen cycle
Biological nitrogen fixation – Definition, types and organisms involved,
Mechanism of biological nitrogen fixation.
Significance of biological nitrogen fixation

Unit 3: Plant growth regulators

(8 Lectures)

Introduction
Discovery
Types of growth regulators
a. PGR - auxins, gibberellins, cytokinins (Physiological role of growth regulators)
b. Growth inhibitors – ABA, Ethylene (Physiological role of growth regulators)

Unit 4: Mineral nutrition

(6 Lectures)

Introduction,
Macronutrients, Role of macronutrients (N, P, K), Role of Micronutrients (Fe, Mn.)

Unit 5: Carbohydrate metabolism

(8 Lectures)

Introduction and
Broad classification;
Monosaccharides - Properties and examples (Triose , Tetrose, Pentose and Hexose)
oligosaccharides - Properties and examples (Sucrose , Maltose and Lactose)
Polysaccharides - Properties and examples (Starch and Cellulose)

SEMESTER IV

Paper VII

Plant Physiology

35 Lectures

Unit 1: Plant response to light and temperature

(8 Lectures)

Photoperiodism – Definition, Classification (SDP, LDP, Day neutral plants);
Phytochrome Definition, Role of phytochrome (red and far red light responses on
photo morphogenesis);
Vernalization: Definition, Mechanism, Significance.

Unit 2: Translocation in phloem

(6 Lectures)

Definition of Symplastic transport and apoplastic transport,
Phloem loading and unloading.
Mechanism of translocation in phloem – Mass flow hypothesis
Source and sink relationship : During vegetative and reproductive phase.

Unit 3: Photosynthesis

(8 Lectures)

Introduction.
Photosynthetic Apparatus
Photosynthetic Pigments (Chl a, b, xanthophylls, carotene);
Light reaction – Cyclic and non cyclic
Dark reaction – C₃, C₄, CAM Pathway

Unit 4: Respiration

(5 Lectures)

Introduction
Structure of Mitochondrion
Types – Arobic - Glycolysis, Linkage stage and TCA Cycle
ETS

Unit 5: photorespiration

(8 Lectures)

Introduction:
Site of photorespiration
Mechanism of photorespiration
Significance

Paper VIII

EMBRYOLOGY OF ANGIOSPERMS

35 Lectures

Unit 1: Structural organization of flower

(9 Lectures)

1.1. Concept of flower as a modified Shoot.

structure of typical flower.

Structure of typical Androecium, Structure of tetrasporangiate anther and pollen grain.

: Structure of typical Gynoecium: Structure of a typical ovule, Types of ovules.

Unit 2.: Pollination and fertilization

(9 Lectures)

2.1 Definition, self and cross Pollination

2. 2 Mechanism in Anemophily (*Zea mays*), Entomophily (*Calotropis*) and Hydrophily (*Vallisneria*)

:Microsporogenesis, and development of male gametophyte

:Megasporogenesis and development of female gametophyte: Monosporic (*Polygonum*) and Bisporic (*Allium*)

2.4 **Fertilization**: Entry of pollen tube, double fertilization and triple fusion. Significance of double fertilization.

Unit 3: Embryo and Endosperm Development.

(9 Lectures)

3.1 Structure and development of embryo in Monocotyledons.

3.2 Structure and development of embryo in Dicotyledons.

Development of endosperm,.

Types of endosperm- Nuclear, Helobial and Cellular.

Unit 4. : Seed and fruit dispersal

(8 Lectures)

Agents and mechanism of seed and fruit dispersal.

Practical- I

- 1) Study of shoot and root apex by permanent slides.
- 2) Study of simple tissues.
- 3) Study of complex tissues.
- 4) Study of primary structure of dicot and monocot root
- 5) Study of primary structure of dicot and monocot stem
- 6) Study of anomalous secondary growth in *Bignonia*.
- 7) Study of anomalous secondary growth in *Dracaena*.
- 8) Study of double stained micro preparation in *Bignonia and Dracaena* stem.
- 9) Study of double stained preparation of anomalous secondary growth in *Dracaena*.
- 10) Study of anatomy of porous (ring porous & diffused porous) and non porous wood.
- 11) Maceration technique.
- 12) Study of Epidermal tissue system.
- 13) Study of Secretary Tissue system.
- 14) Study of Mechanical tissue system.
- 15) Study of role and deficiency symptoms of N, P, K,
- 16) Study of role and deficiency symptoms of Fe, Mn.
- 17) Estimation of Chlorophylls by Colourometric / Spectrophotometric method.
- 18) Separation of photosynthetic pigments by ascending paper chromatography.
- 19) Study of Kranz leaf anatomy in C4 plants.
- 20) Estimation of TAN value in CAM plants.
- 21) Study of evolution of oxygen during photosynthesis.
- 22) Study of effect of light intensity on photosynthesis.
- 23) Detection of Phosphate, Potassium and Iron in the plant tissue by biochemical tests.
- 24) Determination of sugar percentage by hand refractometer.
- 25) Botanical Excursion Report.

Practical- II

- 1) Study of typical flower and its parts (floral whorls with their functions).
- 2) Study of young / mature anther by permanent slide.
- 3) Study of germination of pollen grains.
- 4) Detection of pollen fertility by staining technique.
- 5) Study of types of ovules (by permanent slide or photograph).
- 6) Study of dicotyledon and monocotyledon embryo (by permanent slide or photograph).
- 7) Dissection of embryo
- 8) Study of endosperm from developing seeds (*Grevillia* / *Cucumis*).
- 9) Dispersal of seeds.
- 10) Dispersal of Fruits.
- 11) Study of self pollinated plants
- 12) Study of cross pollinated plants
- 13) Study of pollination mechanism (*Maize*, *Calotropis*)
- 14) Determination of rate of respiration during seed germination by Ganong's respirometer.
- 15) Effect of different concentrations of Auxins (IAA) on seed germination (any suitable dicot seeds).
- 16) Effect of different concentrations of Gibberellic acid (GA) on seed germination (any suitable monocot seeds).
- 17) Effect of different concentrations of Ethylene on fruit ripening
- 18) Breaking of seed dormancy by mechanical and chemical scarification.
- 19) Study of effect of pH on Catalase enzyme activity.
- 20) Study of effect of temperature on Malate dehydrogenase enzyme activity.
- 21) Janus green B staining technique for mitochondria.
- 22) Demonstration of fermentation.
- 23) Study of biofertilizers.
- 24) Separation of Amino acids by Thin Layer chromatography.
- 25) Horticulture Term Paper / Field Visit Report / Project Report

Plant Physiology and Metabolism

1. Hopkins, W. G. 1995. Introduction to Plant Physiology. John Wiley & Sons, Inc., New York, USA.
2. Moore, T. C. 1989. Biochemistry and Physiology of Plant Hormones. (2nd edition). Springer – Verlag, New York, USA.
3. Salisbury, F.B. and Ross, C. W. 1992. Plant Physiology. (4th edition). Wadsworth Publishing Co., California, USA. 19
4. Taiz, L. and Zeiger, E. 1998. Plant Physiology. (2nd edition) Sinauer Associates, Inc., Publishers, Massachusetts, USA.
5. R.C. Grewal – Plant Physiology. Campus Books International 483/24, Prahiad street Ansari Road, Darya ganj, New Delhi – 110002.
6. V.K. Jain – Fundamentals of Plant Physiology. S. Chand & Company Ltd. Ramnagar, New Delhi – 110055.
7. Salisbury Ross – Plant Physiology. CBS, Publishers & Distributions 485/ Jain Bhawan, Bhole Nath Nagar, Shahdara, New Delhi – 110032.
8. Devlin & Witham – Plant Physiology. CBS Publishers & Distributors 485, Jain Bhawan, Bhole Nath Nagar, Shahdara, New Delhi – 110032.
9. G. Ray Noggle / G. Fritz- Introductory Plant Physiology. Prentice Hall of India Ltd. New Delhi – 110001.
10. V.Verma. Text Book of Plant Physiology. Emkay Publications., B-19, East KrishnaNagar, Delhi-1100051.
11. V.I. Paladin. Plant Physiology. Arihant Publishers. Jaypur, (India)
12. Dr. S. Sundara rajan- Physiology of Transport in Plants. Anmol Publications, Pvt. LTD. New Delhi.110002.
13. D.O.hall & K.K. Rao. Photosyntheis. Edward Arnold, East Street, Baltimore, Mary-land- 21202,U.S.A.
14. Bidwell, R.G.S. 1974. Plant Physiology. Macmillan P ub. Co., N.Y.
15. Devlin, R.M. and F.H. Witham. 1983. Plant Physiology. Willard Grant Press. U.S.A.
16. Hans-Walter Heldt. 1997. Plant Biochemistry and Molecular Biology. Oxford University Press, New York. Usa.
17. Jain, V.K. (2000): Fundamentals Of Plant Physiology ,S.Chand&Co, New Delhi.
18. Pandey, S.N. (1991): Plant Physiology, Vikas Publishing House (P) Ltd., New Delhi, India.
19. Verma, V. (2007): Text Book of Plant Physiology. Ane Books India, New Delhi.
20. Nobel, P.S. 2009. Physicochemical and Environmental Plant Physiology.4th edition Academic Press, UK
21. Taiz, L. and Zeiger, E. 2006. Plant Physiology. 4th Edition. Sinauers Associates, Saunders land, Massachusetts, USA
22. Helgi OPik, Stephen A. Rolfe, Arthur J. Willis. 2005. The Physiology of Flowering Plants, Cambridge University Press, UK
23. Kirkham, M.B. 2004. Principles of Soil and Plant Water Relations. Elsevier, Amsterdam, Netherlands.
24. Dennis, D.T., Turpin, D.H., Lefebvre, D.D. and Layzell, D.B. 1997. Plant Metabolism. 2nd Edition. Longman Group, U.K.
25. Fitter, A. and Hay, R.K.M. 2001. Environmental Physiology of Plants. Academic Press, UK.
26. Emil Tmog, Mineral Nutrition of Plants. Oxford and IBH Publishing House, Bombay/ New Delhi.
27. S. Sundara rajan- Plants Physiology. Anmol Publications, Pvt. LTD. New Delhi.110002.

Angiosperm Anatomy and Embryology

1. P.C. Vashista. - Plant Anatomy. Pradip Publications, Opposite Sitla mandir, Jalandhar- 144008.
2. B.P.Pandey - Plant Anatomy. S.Chand & Company,LTD. Ram Nagar, New Delhi.110055.
3. A.C.Datta. - Botany For Degree Students. Press-Delhi, Bombay, Madrass
4. Carlquist, S. 1998.- Comparative Wood Anatomy: Systematic, Ecological and Evolutionary Aspects of dicotyledonous Wood.Springer – Verlag, Berlin.
5. Culter, E.G. 1969. Part I.- Cells and Tissues. Edward Arnold, London.
6. Culter, E.G. 1971. Part II- Organs.- Plant Anatomy: Experiment and Interpretation. Edward Arnold, London.
7. Esau, K. 1977. - Anatomy of Seed Plants. 2nd edition, John Wiley and Sons, New York.
8. Fahn, A. 1974. - Plant Anatomy. 2nd edition. Pergamon Press, Oxford.
9. Lyndon, R.F. 1990. - Plant Development: The Cellular Basis. Unwin Hyman, London.
10. Mauseth, J.D. 1988.- Plant Anatomy. The Benjamin/Cummings Publishing Company Inc., Metro Park, California, USA.
11. Nair, M.N.B. 1998. - Wood Anatomy and Major Uses of Wood. Faculty of Forestry, Universiti Putra Malaysia, 43400 Serdang, Selangor D.E., Malaysia.
12. Rahvan, V. 2000.- Developmental Biology of Flowering Plants. Springer- verlag, New York.
13. Raven, P.H., Evert, R.F.and Eichhorn, S.E. 1999. - Biology ofPlants. 5th edition. W.H., Freeman and Co., Worth Publishers, New York.
14. Steeves, T.A. and Sussex, I.M. 1989. - Patterns in Plant Development. 2ndedition. Cambridge University, Press, Cambridge.
15. Thomas, P. 2000. - Trees: Their Natural History. Cambridge University Press, Cambridge.
16. Chandurkar P. J. Plant Anatomy. Oxford and IBH publication Co. New Delhi 1971
17. Greulach V A and Adams J E Plant- An introduction to Modern Biology. Toppen Co. Ltd, Tokyo,
18. Eams and Mc Daniel. An Introduction to Plant Anatomy. McGraw –Hill Book Co. Ltd and Kogakusha Co, Tokyo, Japan
19. Adriance S Foster. Practical Plant Anatomy. D Van Nostrand Co. INC, Newyork
20. Pijush Roy. Plant Anatomy. New Central Book Agency Ltd, Kolkata
21. Pandey S N and Ajanta Chadha. Plant Anatomy and Embryology.Vikas Publishing House,Pvt, Ltd, New Delhi
22. Bhojwani S S and Bhatnagar S P. An Embryology of Angiosperms.
23. Maheshwari P. An introduction to Embryology of Angiosperms.
24. Nair P K K. Essentials of Palynology.
25. S. C. Datta. Systematic Botany. New Age International Publishers, New Delhi. (2015).

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

B.Sc. II Practical Examination in Botany (CBCS)

March/April 2020

Center: Practical II

Date: Batch Total Marks: 40

N.B.-

- 1. Draw neat & labeled diagrams wherever necessary**
- 2. Do not write about points of theoretical information unless asked specifically**
- 3. Perform the experiment as per instructions given by the examiner**

| | |
|--|----|
| Make a double stain permeant micro preparation of a T.S. of specimen A and show it to the examiner (No written answer) | 07 |
| Macerate the given sample B & prepare a slide from it. Show the slide to the examiner (No written answer) | 04 |
| Set up the physiological experiment assigned to you and record your observations, submit the report to the examiner (written answer) | 07 |
| Set up the physiological experiment assigned to you and record your observations, submit the report to the examiner (written answer) | 04 |
| Q.5. Identification | 08 |
| E- Identify & Describe | |
| F- Identify & Describe | |
| G-Identify the role & deficiency symptoms | |
| H-Identify the role & Deficiency symptoms | |
| I- Identify & describe the biochemical test | |
| Q.6. A) Journal | 05 |
| B) Excursion Report | 05 |

Punyashlok Ahilyadevi Holkar Solapur University, Solapur
B.Sc. II Practical Examination IN Botany (CBCS)
Practical -III
March/April 2020

Center:

Date:

Total Marks: 40

N.B.-

- 1. Draw neat & labelled diagrams wherever necessary**
 - 2. Do not write about points of theoretical information unless asked specifically**
 - 3. Perform the experiment as per instructions given by the examiner**
-

| | |
|--|----|
| Q.1.Determine the fertility of pollen / Perform practical for detection of pollen germination of given specimen A (Written answer) | 04 |
| Q.2.Dissect out the given material B for embryo dissection/describe the dicot or monocot embryo by using permanent slides/photographs(No written answer) | 03 |
| Q.3.Identify the mechanism of pollination of given material C (written answer) | 03 |
| Q.4.Perform the practical to detect rate of respiration/Separate the given sample D by TLC to detect amino acids. (Written answer) | 06 |
| Q.5.Detect the enzyme activity of given sample E/Detect the mitochondria in given sample E by using specific staining method. (Written answer) | 04 |
| Identification | 10 |
| F- Identify & Describe | |
| G- Identify & Describe | |
| H-Identify & describe mode of seed dispersal | |
| I-Identify & describe effect of growth regulators | |
| J- Identify& comment on | |
| Q.6. A) Journal | 05 |
| B) Horticulture term paper | 05 |

**PUNYASHLOK AHILYADEVI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**



Name of the Faculty: Science & Technology

CHOICE BASED CREDIT SYSTEM

Syllabus: Chemistry

**Name of the Course: B.Sc. II (Sem–III & IV)
(Syllabus to be implemented from w.e.f. June 2020-21)**

Course outcomes:

Student should learn

- 1. Basics of the chemistry along with the practical applications/skills, industrial usage**
- 2. The principles underlying the different experiments**
- 3. Functional group conversions**
- 4. Preparation of standard solutions and analytical skills**
- 5. Handling of instruments to develop instrumental skills with respect to industries**
- 6. Nomenclature of inorganic and organic compounds and their characterization**

P. A. H. Solapur University, Solapur
B.Sc. Part-II Chemistry
Choice Based Credit System (CBCS)
In force from June-2020

General Structure :

There will be two theory papers of 50 marks (UA 40 + CA 10 marks) for each semester. Their titles & marks distribution are as under.

N. B.

- i. Figures shown in bracket indicates the total number of contact hours required for the respective topics
- ii. The question paper should cover the entire syllabus. Marks should be in proportion with the number of contact hours allotted to respective topics.
- iii. All topics should be dealt with S.I units.
- iv. Use of scientific calculator is allowed.
- v. Industrial tour is prescribed.

Semester-III

Paper-V : Organic Chemistry 50 marks (40 + 10 marks)
 Paper-VI : Inorganic Chemistry 50 marks (40 + 10 marks)

Semester-IV

Paper-VII : Physical Chemistry 50 marks (40 + 10 marks)
 Paper-VIII : Analytical & Industrial Inorganic Chemistry 50 marks (40 + 10 marks)

Practical Course : Practical Examination will be held at the end of the year - 100 marks = (UA 80 + CA 20)

A) Distribution of marks :

- a) Physical : 20 marks (15 marks physical experiment + 5 marks oral + Journal- 3 marks)
- b) Inorganic : 30 marks
 (gravimetric analysis-15 marks +
 Preparation- 10 marks /Volumetric
 estimation – 15 marks + Preparation- 10
 marks/ semi-micro analysis 15 marks +
 Preparation- 10 marks +_5 marks oral + Journal- 4 marks)
- c) Organic : 20 marks (organic qualitative Analysis- 15 marks/ estimation- 15 marks/ preparation- 15 marks
 oral- 5 marks + Journal- 3 marks)

B) Duration of Examination – Two days, 6 hrs. per day

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|---------|---|---|
| 1) | Paper: III Organic Chemistry | Paper: V Organic Chemistry |
| 2) | Paper: IV Inorganic Chemistry | Paper: VI Inorganic Chemistry |
| 3) | Paper: V Physical Chemistry | Paper: VII Physical Chemistry |
| 4) | Paper: VI Analytical and Industrial Inorganic Chemistry | Paper: VIII Analytical and Industrial Inorganic Chemistry |

Semester-III
Paper-V: Organic Chemistry

Total Credits: 2
(45 Contact hrs.)

UNIT-I

1. Spectroscopic Methods **(8)**
Ultra-Violet (UV) absorption:

Introduction to Spectroscopy, Beer – Lambert law (mathematical derivation not expected), Types of electronic transitions, Terms used in UV spectroscopy: Chromophore, Auxochrome, Bathochromic Hypsochromic, Hypochromic and Hyperchromic shifts, Effect of conjugation on position of UV and visible bands. Calculation of max by Woodward-Fieser rules for conjugated dienes and enones. Applications of UV spectroscopy – Determination of structure and stereochemistry (cis and trans) spectral problems based on UV. (Spectroscopic charts will not be supplied)

2. Stereochemistry **(8)**

2.1. Geometrical isomerism: Introduction, Geometrical isomerism in aldoximes and ketoximes, configuration of ketoximes-Beckmann transformation (Mechanism & Proof are not expected) configuration of aldoximes.

2.2. Conformational Isomerism: Introduction, conformation of ethane and n-butane and their representation by using Saw-Horse, Fischer (dotted Wedge line) and Newmann's projection formulae.

2.3. Conformational analysis of ethane and n-butane with the help of energy profile diagrams.

2.4. Nomenclature – D & L, R & S, E & Z systems

3. Alcohols and Phenols **(8)**

3.1. Alcohols : Introduction

i. Dihydric alcohols : Nomenclature, Methods of formation of ethylene glycol from ethylene, ethylene dibromide and ethylene oxide, physical properties & chemical reactions of ethylene glycol – acidic nature, reaction with hydrogen halide, oxidation – lead acetate, HIO₄ and nitric acid, Uses of ethylene glycol. Pinacol formation, Pinacol-Pinacolone rearrangement and its mechanism.

ii. Trihydric alcohols: Nomenclature, Methods of formation of glycerol – from fats and oils physical properties. Chemical reactions of glycerol – reaction with electropositive metals, reaction with hydrogen halide HCl and HI Reaction with conc. nitric acid in presence of conc. sulphuric acid. Reactions with potassium hydrogen sulphate, esterification, oxidation. Uses of glycerol.

3.2. Phenols : Introduction, Reactions of phenol (carbolic acid) :

- i. Acylation and Fries rearrangement
- ii. Ether formation and claisen rearrangement
- iii. Gattermann Synthesis
- iv. Carboxylation – Kolbe's reaction
- v. Reimer – Tiemann reaction and its mechanism.

UNIT- II

4. Aldehydes and Ketones

(5)

Introduction, Nomenclature, structure and reactivity of the carboxyl group. Mechanism of nucleophilic additions to carbonyl group. Study of following reactions with mechanism and applications 1) Aldol condensation (base catalysed), 2) Perkin reaction, 3) Cannizzaro's reaction, 4) Knoevenagel reaction 5) benzoin condensation..

5. Ethers and Epoxides

(5)

5.1. Ethers : Introduction, Nomenclature, Methods of formation of anisole by Williamson's synthesis and from diazomethane, chemical reactions of anisole with HI, Gravimetric estimation of $-OCH_3$ group by Ziesel's method (Related problems are expected based on % of $-OCH_3$ and number of $-OCH_3$ groups).

5.2. Epoxides : Introduction, Nomenclature, commercial method of preparation of ethylene oxide. Acid and base catalysed ring opening of ethylene oxide, reactions of Grignard and organolithium reagents with ethylene oxide.

6. Carboxylic acids

(7)

6.1. Monocarboxylic acids : Introduction. Methods of formation of Halo acids, di- and trichloroacetic acid by HVZ reaction, substitution reactions of monochloroacetic acid by nucleophiles CN^- , OH^- , I^- , and NH_3 .

6.2. Hydroxy acids : A. Malic acid and B. Citric acid, Methods of formation of malic acid from maleic acid and from α -bromo succinic acid. Reactions of malic acid – action of heat, oxidation reaction and reaction with HI, uses of malic acid. Methods of formation of citric acid from glycerol. Reactions of citric acid: Acetylation with acetic anhydride reduction by HI, Action of heat at 422^0K . Uses of citric acid.

6.3. Unsaturated acids : Methods of formation A. Acrylic acid from acrolein and by dehydration of β -hydroxy propionic acid. Reactions of acrylic acid – Addition of H_2O , reduction by Na / C_2H_5OH . Uses of acrylic acid. Methods of formation B. Cinnamic acid from benzaldehyde using diethyl malonate and by using acetic anhydride and sodium acetate. Reactions of cinnamic acid – bromination, oxidation. Uses of cinnamic acid.

6.4. Dicarboxylic acids : Succinic and phthalic acids. Methods of formation of succinic acid from ethylene bromide, maleic acid. Reactions of succinic acid – action of heat, action of $NaHCO_3$, C_2H_5OH in presence of acid. Uses of succinic acid. Methods of formation of phthalic acid from o-xylene and naphthalene Reactions of phthalic acid – action of heat, reaction with sodalime, NH_3 . Uses of phthalic acid.

7. Diazonium Salts

(4)

7.1 Diazonium salts : Introduction, benzene diazonium chloride – preparation, chemical properties.

- i. Formation of iodo benzene
- ii. Sandmeyer's reaction
- iii. Formation of benzene
- iv. Formation of phenylhydrazine
- v. Azo coupling – synthesis of methyl orange and congo red.

Reference Books :

Latest editions of following reference books.

1. Organic Chemistry. Volume 1 – The fundamental principles by I.L. Finar.
2. Organic Chemistry. Volume 2 – Stereochemistry and the chemistry of natural. Products by I.L. Finar, Low-priced Edn. ELBS – Longman
3. Organic Chemistry. Volume I, II, III by S.M. Mukharjee, S.P. Singh and R.P. Kapoor. Wiley Eastern Limited.
4. Advanced Organic Chemistry by, B.S. Bahl, Arun Bahl. S.Chand & Company, Ltd.
5. Organic Chemistry by Morrison – Boyd.
6. A Text Book of Organic Chemistry by K.S. Tiwari. S.N. Meharotra. N.K. Vishnoi. Vikas Publication, Meerut.
7. Spectroscopic methods in Organic Chemistry by Williams and Fleming. Mc-Graw Hill.
8. Stereochemistry of Organic Compounds by E.L. Eliel. Orient Longman.
9. Stereochemistry of Organic Compounds by P.S. Kalsi. New Age International Ltd.
10. A Guide Book to Mechanism in Organic Chemistry by Peter Sykes.
11. Advanced Organic Chemistry, structure, reactions and mechanism by Jerry March. Mc Graw Hill Kogakusha, Ltd.
12. Spectroscopy of Organic Compounds by P.S. Kalsi.
13. Absorption spectroscopy of Organic molecules by V.M. Parikh.
14. College Organic Chemistry Part I & II by G.R. Chatwal.
15. Stereochemistry by Nasi Puri.
16. Organic synthesis by Smith.

Semester-III
Paper-VI- Inorganic Chemistry

Total Credits : 3
(45 Contact hrs.)

UNIT-I

1. Co-ordination Chemistry :

(16)

- 1.1 Definition and formation of co-ordinate covalent bond in $\text{BF}_3 \cdot \text{NH}_3$ and in $[\text{NH}_4]^+$.
- 1.2 Distinction between double salt and complex salt,
- 1.3 Werner's theory : A. Postulates of theory,
B. Applications of theory:
Theory applied to cobalt amine viz;
a]. $\text{CoCl}_3 \cdot 6\text{NH}_3$ b] $\text{CoCl}_3 \cdot 5\text{NH}_3$, c] $\text{CoCl}_3 \cdot 4\text{NH}_3$, d] $\text{CoCl}_3 \cdot 3\text{NH}_3$
C. Limitations
- 1.4 Description of terms –a] ligand, b]co-ordination number,
c] co-ordination sphere, d]effective atomic number,
e] Geometrical isomerism and optical isomerism in co-ordination compounds for CN = 4 and CN = 6.
- 1.5 IUPAC nomenclature of co-ordination compounds,
- 1.6 Valence bond theory of transition metal complexes.
A .Introduction
B. Postulates of VBT/ basic concepts of VBT
C. Role of transition metal in the formation of complex
D. Stepwise process of formation of complex : Salient features
E. Applications : High spin and low spin complexes w.r.t. CN = 4 and CN = 6.
F. Limitations of Valence bond theory.

2. Chelation

(07)

- 2.1 A brief introduction w.r.t. ligand, chelating agent, chelation and metal chelate.
- 2.2 Structural requirements of chelate formation.
- 2.3 Difference between metal chelate and metal complex.
- 2.4 Classification of chelating agents (with specific illustrations of bidentate chelating agent).
- 2.5 Applications of chelation w.r.t. chelating agents : EDTA and DMG.

UNIT-II

3. Acids and Bases

(07)

- 3.1 Lewis Concept : A.Definition, B.classification,C. merits and D.demerits.
- 3.2 Hard and soft acids and bases (HSAB) :
A. Classification of acids and bases as hard and soft,
B. Pearson's HSAB concept,
C. Acid-Base strength and hardness-softness,
D. Applications and limitations of HSAB principle.

4. Study of d-block elements

(15)

- 5.1. Introduction,
- 5.2. Position of d-block elements in periodic table,
- 5.3.Names & electronic configuration of 1st, 2nd & 3rd three transition series.
- 5.4. General Characteristics of 3 d-block elements w.r.t. –
a) oxidation state b) colour c) Magnetic behavior (spin only formula)
d) catalytic properties and e) tendency to form complexes.

5.5. Comparison of 1st transition series with 2nd & 3rd transition series w.r.t. –

- a) electronic configuration
- b) reactivity
- c) stability of oxidation state
- d) magnetic behavior and
- e) stability of complexes (Brief account only)

Reference Books :

1. Concise Inorganic Chemistry by J.D. Lee ELBS 4th & 5th Edn.
2. Basic Inorganic Chemistry by F.A. Cotton, G. Wilkinson and P.L. Gaus Wiley.
3. Concepts and Models of Inorganic Chemistry by B. Douglas, D.Mc. Daniel and J. Alexander, John Wiley.
4. Advanced Inorganic Chemistry by Satyaprakash, Tuli, Basu (S. Chand and Co.)
5. Inorganic Chemistry by Puri and Sharma (S. Chand & Co.)
6. Inorganic Chemistry by Agrawal.
7. Inorganic Chemistry by D.E. Shriver, P.W. Atkins and C.H. Longford, Oxford.
8. Selected topics in Inorganic Chemistry : Madan, Malik Tuli, S. Chand & Company.
9. Vogel's Text Book of Quantitative Inorganic Analysis–Bassett, Denny, Jeffery Mendham.
10. Basic concepts of Analytical Chemistry by S.M. Khopkar.

Semester-IV
Paper-VII- Physical Chemistry

Total Credits : 3
(45 Contact hrs.)

UNIT-I

1. Electrochemistry :

(18)

- 1.1. Introduction, conduction of electricity, Types of conductors : electronic and electrolytic.
- 1.2. Explanation of terms : Conductance, Specific resistance, specific conductance, Equivalent conductance, Molecular conductance.
- 1.3. Variation of specific and equivalent conductance with concentration, Equivalent conductance at infinite dilution. (Mention Onsager equation, $\Lambda_v = \Lambda_\infty - b\sqrt{c}$ from graph)
- 1.4. Migration of ions, Hittorf's rule, Transport number, Determination of transport number by moving boundary method, factors influencing transport number: Nature of electrolyte, concentration, temperature, complex formation and Degree of hydration.
- 1.5. Kohlrausch law, Applications of Kohlrausch law :
 - i. Determination of relationship between ionic conductance, ionic mobility and transport number.
 - ii. Determination of equivalent conductance at infinite dilution of weak electrolytes.
 - iii. Determination of degree of dissociation of weak electrolyte.
 - iv. Determination of ionic product of water.
 - v. Determination of solubility of sparingly soluble salts.
- 1.6. Numerical problems.

2. Thermodynamics

(10)

- 2.1. Introduction, concept of entropy, Entropy as a state function: Definition, mathematical expression, unit, physical significance of entropy.
- 2.2. Entropy changes for reversible and irreversible processes in isolated systems.
- 2.3. Entropy changes for an ideal gas as a function of V and T and as a function of P and T.
- 2.4. Entropy change in mixing of gases.
- 2.5. Entropy change in physical transformations :
 - i. Fusion of a solid.
 - ii. Vaporization of a liquid.
 - iii. Transition from one crystalline form to another.
- 2.6. Third law of thermodynamics, Absolute entropy and Evaluation of absolute entropy, use of absolute entropies: Determination of entropy changes in chemical reactions.
- 2.7. Numerical problems.

UNIT-II

3. The Solid State

(10)

- 3.1. Introduction, space lattice, lattice sites, lattice planes, Unit Cell.
- 3.2. Laws of crystallography :
 - i. Law of constancy of interfacial angles.
 - ii. Law of rational indices
 - iii. Law of crystal symmetry.
- 3.3. Weiss indices and Miller indices.

- 3.4. Cubic lattice and types of cubic lattice, planes or faces of a simple cubic system, spacings of lattice planes.
- 3.5. Diffraction of X-rays, Derivation of Bragg's equation.
- 3.6. Determination of crystal structure of NaCl and KCl on the basis of Bragg's equation.
- 3.7. Numerical problems.

4. Distribution Law

(07)

- 4.1. Introduction
- 4.2. Nernst distribution law, its limitations and modification with respect to association and dissociation of solute in one of the solvents
- 4.3. Applications of distribution law in
 - i. Process of extraction (derivation expect)
 - ii. Determination of solubility
 - iii. Distribution indicators
 - iv. Determination of molecular weight
- 4.4. Numerical problems expected

List of Reference Books :

- 1) Elements of Physical Chemistry : S. Glasstone and D. Lewis (D. Van Nostrand Co. Inc)
- 2) Physical Chemistry : W.J. Moore (Orient Longman)
- 3) Principles of Physical Chemistry : Maron & Prutton (Oxford IVth Edn.)
- 4) Chemistry Principle & Applications : P.W. Atkins, M.J. Clugsto, M.J. Fiazer, R.A.Y. Jone (Longman)
- 5) Physical Chemistry : G.M. Barrow (Tata Mc-Graw Hill)
- 6) Essentials of Physical Chemistry : B.S. Bahl & G.D. Tuli (S. Chand)
- 7) Physical Chemistry: Daniels – Alberty.
- 8) Principles of Physical Chemistry : Puri – Sharma (S. Nagin)
- 9) Basic Chemical Thermodynamics : V.V. Rao.
- 10) Physical Chemistry Through problems : Dogra and Dogra (Wiley Eastern Ltd.,)
- 11) Physical Chemistry: S. Glasstone.
- 12) Text book of Physical Chemistry – S. Glasstone (2nd Edn. Mac Millan)
- 13) Elements of Physical Chemistry – P. Atkins & J. Paula (Oxford IVth Edn.)
- 14) Principles of Physical Chemistry : B. R. Puri, L. R. Sharma and M. S. Pathania
- 15) Electrochemistry : S. Glasstone

Semester-IV
Paper- VIII- Analytical & Industrial Inorganic Chemistry

Total Credits: 3
(45 Contact hrs.)

UNIT-I

1. Volumetric Analysis: (10)

- 1.1 Introduction, Terminology:- Titrant; Titrand, standard solution; Titration Indicator; Equivalence point; End point. Primary standard, Secondary standard. Strength of solution, volumetric analysis & their types.
- 1.2 Acid Base Titration
- i) Introduction
 - ii) Theory of Acid-Base indicator :
 - A) Colour change Interval
 - B) Theories-Ostwald's theory & Quinoid theory,
 - iii) Neutralization curve and choice of indicator for following titrations :
 - A) Strong acid and Strong Base
 - B) Strong Acid and Weak Base
 - C) Weak Acid and Strong Base
- 1.3 Complexometric titration:
- A) General account,
 - B) Types of EDTA Titrations,
 - C) Metallochromic Indicator w.r.t. Eriochrome Black-T

2. Gravimetric Analysis: (10)

- 2.1. Introduction, Terminology :-Gravimetric analysis, Saturation, Super-saturation, Sol, Gel, Coagulation or Flocculation, Coagulation or Flocculation value, Peptisation, Precipitation, Precipitate, Precipitant, Solubility, Aging or digestion, Ignition,
- 2.2. General steps involved in gravimetry
- 2.3. Precipitation – A) Physical nature of Precipitate: Gelatinous, Curdy and Crystalline.
B) Conditions of Precipitation
- 2.4. Process of precipitation – A) Nucleation B) Crystal growth C) Digestion
- 2.5. Co-precipitation and Post precipitation and their difference.
- 2.6. Role of Organic precipitants in gravimetric analysis,
- 2.7. Study of organic precipitants viz. A) DMG, B) Aluminon, C) 8-Hydroxy quinoline.
- 2.8. Advantages and disadvantages of organic precipitants.

UNIT-II

3. Industrial heavy Chemicals (07)

- 3.1. Introduction
- 3.2. Physicochemical Principles & manufacture of following heavy chemicals:
- i) Ammonia by Haber process
 - ii) Sulphuric acid by contact process.

4. Metallurgy

(08)

4.1. Introduction: Terminology:- Metallurgy, Mineral, Ore, Gangue, Flux, Slag.

4.2. Occurrence of metals: Types of ores

4.3. Steps involved in metallurgical processes:

A) Concentration of ores-

I. Physical methods:

a) Gravity separation method, b) Magnetic separation method, c) Froth flotation process.

II. Chemical Methods:

a) Calcination b) Roasting

B) Reduction- i) Chemical methods of reduction

ii) Electrolytic reduction method for e.g. Aluminium and copper

5. Iron and Steel

(10)

5.1 Occurrence of Iron

5.2 Extraction of Iron: Blast furnace

5.3 Types of Iron

5.4 Steel-

A) Definition

B) Types of Steel

C) Manufacture of Steel: a) Bessemer process b) L. D. process

D) Heat treatment on Steel

List of Reference Books :

1. Concise Inorganic Chemistry by J.D. Lee ELBS 4th & 5th Edn.
2. Basic Inorganic Chemistry by F.A. Cotton, G. Wilkinson and P.L. Gaus Wiley.
3. Advanced Inorganic Chemistry by Satyaprakash, Tuli, Basu (S. Chand and Co.)
4. Inorganic Chemistry by Puri and Sharma (S. Chand & Co.)
5. Inorganic Chemistry by G.S. Manku Tata Mc. Graw Hill.
6. Inorganic Chemistry by Agrawal.
7. Industrial Chemistry by B.K. Sharma.
8. Inorganic Chemistry by D.E. Shriver, P.W. Atkins and C.H. Longford, Oxford.
9. Text book of Quantitative Inorganic Analysis by A.I. Vogel.
10. Vogel's Text Book of Quantative Inorganic Analysis – Bassett, Denny, Jeffery Mendham.
11. Basic concepts of Analytical Chemistry by S.M. Khopkar.

Laboratory Course (Practicals) Chemistry

University practical Examination : 80 marks

Internal practical Examination : 20 marks

Total 100 Marks = Credits : 2

B.Sc.II-Chemistry practical Examination-pattern

Mark Distribution

| * University Examination : (Two Day Exam) | Expt | Journal | Oral | Total |
|---|------|---------|------|-------|
| Q.1: Physical Chemistry Experiment | 15 | 3 | 5 | 23 |
| Q.2 : Inorganic Chemistry Experiment | 25 | 4 | 5 | 34 |
| Q.3 : Organic Chemistry Experiment | 15 | 3 | 5 | 23 |

* Internal Examination :

Practical paper has 20 marks for Internal Examination.

There will be two practicals of 10 marks each.

Note : i) Use of Electronic / Single pan balance / Digital balance is allowed.

ii) Use of scientific calculator is allowed.

iii) Use S.I. Units wherever possible.

Laboratory Course Physical Chemistry

A) Instrumental

1. Viscosity : To determine the percentage composition of a given liquid mixture by viscosity method. (Density data be given)
2. Refractometry : To determine the specific and molar refractions of benzene, tolyene and xylene by Abbe's refractometer and hence determine the refraction of $-\text{CH}_2$ group. (Densities should be determined by the students.)
3. Polarimetry : To determine the specific rotation and find unknown concentration of sugar solution.
4. Conductometry : (any two)
 - i. To determine degree of dissociation and dissociation constant of acetic acid at various dilutions and to verify Ostwald's dilution law conductometrically.
 - ii. To determine the normality of the given strong acid by titrating it against strong alkali conductometrically.
 - iii. To determine the equivalent conductance at infinite dilution of strong electrolyte at five different dilutions conductometrically. (e.g. any one from KCl, NaCl, KNO_3 and HCl) and verify Onsager equation.

B) Non-Instrumental

1. Chemical Kinetics (ANY THREE)

- i. To study the hydrolysis of methyl acetate in presence of HCl and H_2SO_4 and to determine the relative strength of acids.
- ii. To study the effect of acid strength (0.5M and 0.25M HCl) on hydrolysis of an ester.
- iii. To study the reaction between $\text{K}_2\text{S}_2\text{O}_8$ and KI (unequal concentration)
- iv. To study the reaction between KBrO_3 and KI (equal concentrations)

Reference Books :

1. Experimental Physical Chemistry by A. Findlay Longman.
2. Experiments in Physical Chemistry by R.C. Das & B. Behra. Tata Mc Graw Hill.
3. Advanced Experimental Chemistry Vol. I Physical by J.N. Gurtu and R. Kapoor S. Chand & Co.
4. Experiments in Physical Chemistry by J.C. Ghosh, Bharati Bhavan.
5. Practical book of Physical Chemistry – by Nadkarni Kothari Lawande. Bombay Popular Prakashan.
6. Systematic Experimental Physical Chemistry – by S.W. Rajbhoj, Chondhekar. Anjali Publication.
7. Practical Physical Chemistry – by B.D. Khosala & V.C. Garg R. Chand & Sons.
8. Experiments in Chemistry by D.V. Jagirdar.

Practical Course Inorganic Chemistry

1. Gravimetric Analysis :

- i. Gravimetric estimation of Fe as Fe_2O_3 from a solution containing ferrous ammonium sulphate and free sulphuric acid.
- ii. Gravimetric estimation of Ba as BaSO_4 from a solution containing barium chloride and free hydrochloric acid.

2. Titrimetric Analysis : Calibration of burette, pipette and volumetric flask.

- i. Analysis of commercial vinegar – To determine the percentage of acetic acid in a given commercial sample of vinegar.
- ii. To prepare standard solution of calcium chloride from calcium carbonate and determine the total hardness of given water sample.

3. Inorganic Preparations :

- i. Ferrous Ammonium Sulphate (Mohr's salt)
- ii. Preparation of tetramminecopper(II) sulphate
- iii. Preparation of Chloropentamminecobalt(III) chloride
- iv. Preparation of hexamminenickel (II) chloride.

4. Semi-micro Qualitative Analysis :

Cations : Cu^{++} , Al^{+++} , Fe^{+++} , Mn^{++} , Zn^{++} , Ni^{++} , Ba^{++} , Ca^{++} , Mg^{++} , NH_4^+ , K^+

Anions : Cl^- , Br^- , I^- , SO_4^{2-} , NO_3^- , CO_3^{2-}

Note : At least SIX mixtures to be completed.

Reference Books :

1. Quantitative Inorganic Chemistry – A.I. Vogel.
2. Practical Chemistry – Physical – Inorganic – Organic and Vice-voce by Balwant Rai Satija. Allied Publishers Pvt. Ltd.
3. Inorganic Qualitative Analysis – A.I. Vogel.
4. Basic Concepts in Analytical Chemistry – S.M. Khopkar.
5. Vogel's Text Book of Quantitative Inorganic Analysis – Bassett, Denny, Jeffery Mendham.

N. B. – 1. Calculations of % yield is expected.

2 After preparation, physico-chemical characterization is expected with 5(Five) marks weightage in terms of:

- a) Name of central metal ion
- b) Oxidation number of metal ion
- c) Nature of ligand
- d) Nature of bonding
- e) Type of hybridization
- f) Inner orbital or outer orbital complex

- g) Geometry of the complex with structure
- h) Magnetic property of the compound
- i) Color of the compound
- j) Nature :Crystalline /Amorphous

(Note: Preparation should be take in semester-III)

Laboratory Course Organic Chemistry

A) Organic Qualitative Analysis :

Identification of at least **Eight organic compounds** with reactions including two from acids, two from phenols, two from bases and two from neutrals.

- Acids** : succinic acid, phthalic acid, salicylic acid, aspirin
- Phenols** : α - naphthol, o-nitrophenol, p-nitrophenol
- Bases** : o-, m-, and p-nitroanilines N, N-dimethylaniline
- Neutral** : urea, acetanilide, carbontetrachloride, bromobenzene, methylacetate, nitrobenzene, naphthalene, anthracene, acetophenone, ethylmethyl ketone.

Note : A systematic study of an organic compound involves the following operations which should be taught in details with reactions in the determination of elements and functional group.

- 1) Preliminary tests and physical examination
- 2) Determination of type
- 3) Determination of physical constant
- 4) Detection of elements
- 5) Determination of functional group
- 6) A search into the literature
- 7) Special test if any
- 8) Summary
- 9) Result.

B) Organic Quantitative Analysis :

i. Estimations (Any Two)

1. Estimation of ester
2. Estimation of acetone
3. Estimation of ibuprofen from ibuprofen tablet

ii. Organic Preparations (Any Three)

1. Preparation of phthalimide from phthalic anhydride.
2. Preparation of p-bromoacetanilide from acetanilide.
3. Preparation of m-dinitrobenzene from nitrobenzene using NaNO_2 and conc. H_2SO_4 .
4. Preparation of acetanilide from aniline using acetic acid and anhydrous zinc chloride.
5. Preparation of p-nitroethylbenzoate from p-nitrobenzoic acid

Reference Books :

1. Practical Organic Chemistry by A.I. Vogel.
2. Hand book of Organic qualitative analysis by H.T. Clarke.
3. A laboratory Hand Book of Organic qualitative analysis and separation by V.S. Kulkarni. Dastane Ramchandra & Co.
4. Practical Organic Chemistry by F.G. Mann and B.C. Saunders. Low – priced Text Book. ELBS. Longman.
5. Experiments in General Chemistry by C.N.R. Rao. Affiliated East-West Press Pvt. Ltd. Delhi.
6. Advanced Practical Organic Chemistry by N.K. Vishnoi. Vikas Publishing House Private Limited.
7. Comprehensive Practical Organic Chemistry Qualitative Analysis by V.K. Ahluwalia, Sunita Dhingra. University Press. Distributor-Orient Longman Ltd.
8. Practical Chemistry – Physical – Inorganic – Organic and Viva – voce by Balwant Rai Satija. Allied Publishers Private Limited.
9. Experimental organic chemistry by J. R. Norris, published by Sarup and sons, Delhi
10. Advanced practical chemistry by J. Singh, L. D. S. Yadav, R. K. P. singh, I. R. Siddiqui et.al, Pragati prakashan.

**PUNYASHLOK AHILYADEVJI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**



NAAC Accredited-2015

'B' Grade (CGPA 2.62)

Name of the Faculty: Science & Technology

CHOICE BASED CREDIT SYSTEM

Syllabus: PHYSICS

Name of the Course: B.Sc. II (Sem-III & IV)

(Syllabus to be implemented from w.e.f. June 2020)

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

B.Sc. Part – II

Core Subject: - Physics

(New CBCS Semester Pattern) syllabus w e f June 2020)

1. There will be four theory papers (Paper V and Paper VI for semester III and Paper VII and Paper VIII for semester IV) of 50 marks and 2 credits each. Annual practical examination will be of 100 marks and 4 credits. Total marks for physics as a core subject will be 300 [200 marks (8 credits) for theory and 100 marks (4 credits) for practical). Assessment system for both theory and practical will be of 80 % UA (University Assessment) and 20 % CA (College Assessment).
2. There shall be three periods per paper per week for theory and eight periods per week per practical batch of 16 (Sixteen) students each.
3. Duration of theory examination for each paper of 40 marks will be 2 hours each and that for the practical examination will be two days means 4 sessions of 3 hours each.
4. The theory examination of paper V and VI will be held at the end of semester III.
5. The theory examination of paper VII and VIII will be held at end of semester IV.
6. The practical examination of the both semester will be held at the end of semester IV. Every student will have to perform four experiments i.e. any one from each group.
7. Report of 20 % CA (5 Marks for internal examination and 5 Marks for assignment of each paper of every semester) of theory and practical (5 Marks for each group at the end of second term of B Sc Part II before commencement of University examination of fourth semester) has to submit by the College in the University office.

Titles of Physics as a core subject with their paper codes

Semester – III

Paper – V - General Physics and Sound. - 50 (80 % UA + 20 % CA) Marks

Paper –VI - Electronics - 50 (80 % UA + 20 % CA) Marks

Semester – IV

Paper – VII - Optics - 50 (80 % UA + 20 % CA) Marks

Paper – VIII - Modern Physics - 50 (80 % UA + 20 % CA) Marks

Annual Practical at the end of Fourth semester 100 (80 % UA + 20 % CA) Marks

[UA (University Assessment): Four groups each of 15 marks, 10 Marks for Journal, 10 Marks for educanctional trip / industrial visit/ seminar or conference attendance/ project report; CA (College Assessment): 20 Marks]

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|---------|--|------------------------------------|
| 1) | Paper: V General Physics, Heat and Sound | Paper: V General Physics and Sound |
| 2) | Paper: VI Electronics | Paper: VI Electronics |
| 3) | Paper: VII Optics | Paper: VII Optics |
| 4) | Paper: VIII Modern Physics | Paper: VIII Modern Physics |

Semester III

Physics Paper V - General Physics and Sound

(50 Marks and 2 Credits)

1. Vectors: [6 hr]

- 1.1 Scalar and vector triple product
- 1.2 Scalar and vector fields
- 1.3 Del operator
- 1.4 Gradient of a scalar
- 1.5 Divergence of a vector and their physical significance
- 1.6 curl of vector and their physical significance

2. Precessional Motion: - [6 hr]

- 2.1 Precession
- 2.2 Gyroscope
- 2.3 Nutation
- 2.4 Lanchester's rules
- 2.5 Gyrostatic pendulum
- 2.6 Motion of rolling disc
- 2.7 Gyroscopic applications in brief

3. Elasticity: - [6 hr]

- 3.1 Bending of a beam
- 3.2 Bending moment
- 3.3 Cantilever
- 3.4 Centrally loaded beam
- 3.5 Y and η by Searle's method

4. Viscosity: - [6 hr]

- 4.1 Motion in a viscous medium- Stoke's law
- 4.2 Viscosity of liquid by rotating cylinder method
- 4.3 Searle's viscometer
- 4.4 Ostwald's viscometer
- 4.5 Viscosity of gasses – Rankin's method

5. Sound:

[6 hr]

5.1 Acoustic transducers i) Pressure microphone ii) Moving coil loudspeaker

5.2 Acoustics and its affecting factors

5.3 Reverberation time and its optimum value

5.4 Requirements of good acoustics

5.5 Sabine's formula

Reference Books:

1. Elements of matter – D.S. Mathur
2. Physics for degree students – C. L. Arora, P. S. Hemne.
3. Text book of properties of matter – N. S. Khare , S. K. Kumar
4. Text book of Sound – Brijlal and Subramanyam.
5. Sound – Khanna and Bedi
6. Sound – Wood A. B.
7. Mathematical Physics – Rajput & Gupta
8. Engineering Physics Part I – Selladurai PHI Learning Pvt. Ltd, New Delhi

Semester III

Physics Paper VI - Electronics - (50 Marks and 2 Credits)

1. Transistor amplifier : [8 hr]

- 1.1 Transistor biasing: voltage divider bias
- 1.2 Two stage R-C coupled transistor amplifier
- 1.3 Frequency response curve of an amplifier
- 1.4 Feedback
- 1.5 Effect of positive and negative feedback on the frequency response curve
- 1.6 Differential amplifier
- 1.7 Modes of operation
- 1.8 Common mode and differential mode signals
- 1.9 Comparison between normal amplifier and differential amplifier

2. Oscillator : [6hr]

- 2.1 Types of waveforms
- 2.2 Oscillations from tank circuit
- 2.3 Barkhausen's criterion for sustained oscillations
- 2.4 Concept of AF and RF Oscillator
- 2.5 Phase shift oscillator
- 2.6 Colpitt's oscillator
- 2.7 Hartley oscillator,
- 2.8 Crystal Oscillator (qualitative treatment only)

3. Unipolar Devices: [4 hr]

- 3.1 FET: Construction, operation and characteristics
- 3.2 Application of FET as VVR
- 3.3 UJT: Construction, operation and characteristics
- 3.4 UJT as voltage sweep generator

4. Electronic Instruments: [6 hr]

- 4.1 Principle, Construction and working of CRT
- 4.2 Block diagram of CRO
- 4.3 Uses of CRO
- 4.4 Digital Multimeter (DMM) and its applications

5 . Regulated power supply [6hr]

- 5.1 Regulated power supply (with block diagram) and its need
- 5.2 Line and load regulation
- 5.3 Transistor Series power supply
- 5.4 IC voltage regulators
- 5.5 Fixed output voltage regulators (using IC 78XX and 79XX)
- 5.6 Dual power supply using 3 pin IC

REFERANCE BOOKS:

1. Principles of electronics - V.K. Mehta
2. Electronics principles - (3rd and 6th edition) - Malvino.
3. Op-Amps and linear integrated circuits (4th edition) - Ramakant Gayakwad.
4. A Text book of Electrical Technology Vol. IV – B. L. Theraja, A.K. Theraja

Semester IV

Physics Paper VII - Optics - (50 Marks and 2 Credits)

- 1. Cardinal points:** [6hr]
- 1.1 Lagrange's equation
 - 1.2 Cardinal points of optical system
 - 1.3 Graphical construction of image using cardinal points & Newton's formula
 - 1.4 Relation between focal lengths for any optical system
 - 1.5 Relations between lateral, axial and angular magnifications
 - 1.6 Thick lens (introduction)
 - 1.7 combination of two thin lenses
- 2. Interference of light:** [6hr]
- 2.1 Michelson's interferometer
 - 2.2 Applications of Michelson's interferometer to measure i) wavelength of light
ii) Difference in wavelengths and iii) Refractive index of thin film
 - 2.3 An Etalon (Introduction Only)
 - 2.4 Construction and working of Fabry Perot interferometer
 - 2.5 Superiority of F.P. interferometer over Michelson's interferometer
- 3 . Diffraction of light & resolving power:** [7hr]
- 3.1 Fresnel's half period zones
 - 3.2 Explanation of rectilinear propagation of light
 - 3.3 Zone plate
 - 3.4 Fresnel's diffraction at straight edge
 - 3.5 Geometrical and spectral resolution
 - 3.6 Distinction between magnification and resolution
 - 3.7 Rayleigh's criterion for the limit of resolution and modified Rayleigh's criteria
 - 3.8 Modified Rayleigh's criterion
 - 3.9 R.P. of plane diffraction grating
 - 4.0 R. P. of prism
- 4 Polarization:** [7hr]
- 4.1 Concept of Polarization
 - 4.2 Double refraction and
 - 4.3 Huygen's explanation of double refraction through uni-axial crystals
 - 4.4 Nicol's prism

- 4.4 optical rotation
- 4.5 Optical Activity and Specific Rotation
- 4.6 Laws of rotation and plane of polarization
- 4.7 Polaroid and their Use to Polarization
- 4.8 Applications
 - a) Polarimeter
 - b) Liquid crystal Displays (LCDs)

5. Optical Fibers:

[4hr]

- 5.1 Structure of fibers
- 5.2 Types of optical fiber
- 5.3 Numerical aperture
- 5.4 Pulse dispersion in step index fiber
- 5.5 Fiber optic communication system
- 5.6 Advantages of optical fiber

Reference Books:

1. Optics and Spectroscopy – R. Murigation
2. Text book of optics (new edition) – Brijlal and Subramanyam
3. Optics (Second edition) – Ajay Ghatak
4. Geometrical and Physical optics – D. S. Mathur
5. Fundamental of optics – Jenkins and white
6. Optics and Atomic physics – Satya Prakash
7. Engineering Physics – S. Selladurai
8. Optical Communication - Jain, Mathur (Kanpur IIT)

Semester IV

Physics Paper VIII - Modern physics - (50 Marks and 2 Credits)

1. Theory of relativity: [9 hr]

- 1.1 Inertial frame of reference
- 1.2 Galilean transformation
- 1.3 Invariance of laws of mechanics under Galilean transformation
- 1.4 Ether hypothesis
- 1.5 Michelson-Morley experiment
- 1.6 Einstein's postulates of the special theory of relativity
- 1.7 Lorentz transformation
- 1.8 Variation of length with velocity
- 1.9 Variation of time with velocity
- 1.10 Velocity addition theorem
- 1.11 Variation of mass with velocity
- 1.12 Mass energy relation
- 1.13 Twin paradox

2. Matter waves: [6 hr]

- 2.1 De Broglie's hypothesis of matter waves
- 2.2 De Broglie's wavelength
- 2.3 Particle velocity, group velocity, phase velocity & their interrelationship
- 2.4 Properties of matter waves
- 2.5 Bohr's quantum condition on the basis of matter wave hypothesis
- 2.6 Heisenberg's uncertainty principle and its illustrations

3. Vector Atom model: [8 hr]

- 3.1 Space quantization
- 3.2 Spin hypothesis
- 3.3 Stern-Gerlach experiment
- 3.4 Quantum numbers associated with vector atom model
- 3.5 Pauli's exclusion principle
- 3.6 Spin orbit coupling
- 3.7 Hund's rule

- 3.8 Total angular momentum
- 3.9 L-S coupling
- 3.10 j-j coupling
- 3.11 Zeeman effect
- 3.12 Normal and anomalous Zeeman effect
- 3.13 Debye's explanation of normal Zeeman effect

4. Compton effect: **[3 hr]**

- 4.1 Compton Effect
- 4.2 Expression for change in wavelength for scattered photon
- 4.3 Experimental verification of Compton effect

5. Nuclear Energy sources: **[4 hr]**

- 5.1 Neutron induced nuclear reaction
- 5.2 Nuclear fission
- 5.3 Energy released in fission
- 5.4 Chain reaction (Atomic Bomb)
- 5.5 Nuclear reactor
- 5.6 Atomic energy in India

Reference Books:

1. Introduction to special relativity - Robert Resnik
2. Perspective of Modern Physics – Arther Beiser
3. Atomic and nuclear Physics – Gupta and Ghosh 2nd Edition
4. Quantum Mechanics – Singh, Bagade, Kamal Singh, Chand and Co.
5. Introduction to Atomic and Nuclear Physics – H. Semat and Albrought
6. Atomic Physics - Rajam
7. Modern Physics – S. H. Patil (IIT)
8. Nuclear Physics -Kaplan

**B.Sc. II Physics Practical
(100 Marks and 4 Credits)**

(With effect from - June 2020)

List of Experiments

Group I (General Physics, Heat and Sound)

1. Young's Modulus (Y) by bending of the centrally loaded beam.
2. Y or η of the material in the form of wire by Searle's method.
3. Young's modulus (Y) by Vibration of a bar.
4. Kater's Pendulum.
5. Surface tension by Quinke's method.
6. Viscosity of liquid by Searle's method.
7. Surface Tension of liquid by capillary rise method.
8. Thermal conductivity of rubber tube.
9. Velocity of sound by Kundt's tube
10. Velocity of sound by resonating bottle.

Group II (Electronics)

1. Transistor series voltage regulator.
2. Biasing network.
3. Use of C.R.O. for measurement of AC, DC voltage and frequency.
4. Characteristics of FET.
5. UJT as voltage sweep generator.
6. Colpitt's oscillator.
7. Phase shift oscillator.
8. De Morgan's theorems.
9. Two stage RC coupled amplifier
10. Construction of half adder & full adder using gates

Group III (Optics)

1. Biprism : To determine the wavelength of monochromatic light
2. Goniometer : Equivalent focal length for different thick lenses.
3. Goniometer : Cardinal points
4. Determination of Cauchy's Constants
5. Double refracting prism
6. Optical activity of sugar solution (Polarimeter)
7. Diffraction at single slit
8. Resolving power of grating
9. Diffraction due to cylindrical obstacle.
10. Wedge shaped film: Measurement of thickness

Group IV (Electricity, Magnetism and Modern Physics):

1. Constants of B.G.
2. Comparison of Capacities by Deshott's method.
3. Mutual Induction of two separate coils or transformer coils (Primary & Secondary)
4. Low resistance by Carry fosters method
5. High resistance by nearly equal deflection method
6. Solar cell characteristics to determine fill factor and efficiency
7. Impedance of LCR parallel circuit at resonating state
8. Sharpness of series resonance circuit
9. Study of Characteristics of G M tube and determination of its operating voltage, Plate length and slope etc
10. Verification of inverse square law for gamma rays

NB: At least eight experiments from each group are required to certify the journal. 10 Marks for certified journal should not be given in case of lost certificate & 10 Marks for educational trip / industrial visit/ seminar or conference attendance/ project report. Such students may appear the practical examination of 80 marks with prior permission of his/her Principal. Examiner and Laboratory Supervisor will allow him / her only after submission of permission letter and lost certificate from his / her Principal.

PUNYASHLOK AHILYADEVJI HOLKAR SOLAPUR UNIVERSITY,
SOLAPUR

Nature of Question Paper for choice based credit system (CBCS) Semester Pattern

• Faculty of Science •

(w. e. f. June 2020)

Time: - 2 hrs.

Total Marks-40

Instructions:

1. All questions are compulsory.
2. Draw **neat diagrams** and give **equations** wherever necessary.
3. Figures to the **right** indicate **full marks**.
4. Use of logarithmic table and calculator is allowed.

Q. No.1) Multiple choice questions

(08)

1) -----

a) b) c) d)

2)

3)

4)

5)

6)

7)

8)

Q.No.2) Answer any four of the following

(08)

i)

ii)

iii)

iv)

v)

vi)

Q.No.3 Write notes on any Two of the following

(08)

i

ii)

iii)

Q. No.4) Answer any Two of the following

(08)

i)

ii)

iii)

Q.No.5) Answer any one of the following

(08)

i)

ii)

NB: Minimum two numerical type sub questions must be asked in question number 1 and 2.

One each from question number 3 and 4 must be of numerical type sub question.

**PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR
UNIVERSITY, SOLAPUR**



Name of the Faculty: Science & Technology

CHOICE BASED CREDIT SYSTEM

Syllabus: ZOOLOGY

Name of the Course: B.Sc. II (Sem–III& IV)

(Draft Syllabus to be implemented from w.e.f. June 2020)

P.A.H.Solapur University, Solapur , Faculty of Science
Choice Based Credit System (CBCS)
B.Sc.-II Zoology
(2020-2021 : W.e.f. June 2020)

Background of Curriculum:

In accordance with the UGCs reference to standardize curricula at the national level and bring a match across all the Indian Universities, an attempt has been made to follow the pattern given in the UGCs Undergraduate Template.

Zoology deals with the study of animal kingdom specially the structural diversity, biology, embryology, evolution, habits and distribution of animals, both living and extinct. As it covers a fascinating range of topics, the modern zoologists need to have insight into many disciplines. The learning outcomes-based curriculum framework for a B.Sc. degree in Zoology is designed to cater to the needs of students in view of the evolving nature of animal science as a subject. The framework is expected to assist in the maintenance of the standard of Zoology degrees/programmes across the country by reviewing and revising a broad framework of agreed expected graduate attributes, qualification descriptors, programme learning outcomes and course-level learning outcomes. The framework, however, does not seek to bring about uniformity in syllabi for a programme of study in Zoology, or in teaching learning process and learning assessment procedures. Instead, the framework is intended to allow for flexibility and innovation in programme design and syllabi development, teaching learning process, assessment of student learning levels. A comprehensive knowledge of structure-function relationship at the level of gene, genome, cell, tissue, organ, and systems, through development would further add to the knowledge base and the learning outcome in terms of editing of genes and genomes for industrial application and research purposes.

Learning Outcomes based approach to Curriculum Planning:

The courses should be delivered in terms of concepts, mechanisms, biological designs & functions and evolutionary significance cutting across organisms at B.Sc. level. These courses should be studied by students of all branches of biology. Both chalk and board, and PowerPoint presentations can be used for teaching the course. The students should do the dissertation/ project work under practical of different courses, wherever possible.

The students are expected to learn the courses with excitements of biology along with the universal molecular mechanisms of biological designs and their functions. They should be able to appreciate shifting their orientation of learning from a descriptive explanation of biology to a unique style of learning through graphic designs and quantitative parameters to realize how contributions from research and innovation have made the subjects modern, interdisciplinary and applied and laid the foundations of Zoology, Animal Sciences, Life Sciences, Molecular Biology and Biotechnology. These courses and their practical exercises will help the students to apply their knowledge in future course of their career development in higher education and research. In addition, they may get interested to look for engagements in industry and commercial activities employing Life Sciences, Molecular Biology and Biotechnology. They may also be interested in entrepreneurship and start some small business based on their interest and experience.

Graduate Attributes in Zoology:

- **Disciplinary knowledge and skills:** Capable of demonstrating (i) comprehensive knowledge and understanding of major concepts, theoretical principles and experimental findings in Zoology and its different subfields (ii) ability to use modern instrumentation for advanced genomic and proteomic technology.
- **Skilled communicator:** Ability to impart complex technical knowledge relating to Zoology in a clear and concise manner in writing and oral skills.
- **Critical thinker and problem solver:** Ability to have critical thinking and efficient problem solving skills in the basic areas of Zoology
- **Sense of inquiry:** Capability for asking relevant/appropriate questions relating to issues and problems in the field of Zoology, and planning, executing and reporting the results of an experiment or investigation.
- **Team player/worker:** Capable of working effectively in diverse teams in both classroom, laboratory and in industry and field-based situations.
- **Skilled project manager:** Capable of identifying/mobilizing appropriate resources required for a project, and manage a project to completion, while observing responsible and ethical scientific conduct; and safety and chemical hygiene regulations and practices.
- **Digitally literate:** Capable of using computers for Bioinformatics and computation and appropriate software for analysis of genomics and proteomics data, and employing modern bioinformatics search tools to locate, retrieve, and evaluate location and biological annotation genes of different species.
- **Ethical awareness/reasoning:** Capable of conducting their work with honesty and precision thus avoiding unethical behavior such as fabrication, falsification or misrepresentation of data or committing plagiarism, and appreciating environmental and sustainability issues. Research ethics committee expects them to declare any type of conflict of interest that may affect the research. Any plan to withhold information from researchers should be properly explained with justification in the application for ethical approval.
- **Lifelong learners:** Capable of self-paced and self-directed learning aimed at personal development and for improving knowledge/skill development and reskilling

Choice Based Credit System: With the view to ensure worldwide recognition, acceptability, horizontal as well as vertical mobility for students completing undergraduate degree, Solapur University has implemented Choice Based Credit System (CBCS) at Undergraduate level. The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations.

- Outline of Choice Based Credit System:

1. *Core Course*: A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.

2. *Elective Course*: Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

Discipline Specific Elective (DSE) Course: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective.

3. *Ability Enhancement Courses (AEC)*: The Ability Enhancement (AE) Courses may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement; (i) Environmental Science and (ii) English/MIL Communication. These are mandatory for all disciplines. SEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.

- **Credit**: Credit is a numerical value that indicates students work load (Lectures, Lab work, Seminar, Tutorials, Field work etc.) to complete a course unit. In most of the universities 15 contact hours constitute one credit. The contact hours are transformed into credits. Moreover, the grading system of evaluation is introduced for B.Sc. course wherein process of Continuous Internal Evaluation is ensured. The candidate has to appear for Internal Evaluation of 20 marks and University Evaluation for 80 marks.

Punyashlok Ahilyadevi Holkar Solapur University, Solapur
Faculty of Science & Technology
Choice Based Credit System (CBCS): (w.e.f.2020-21): Draft Structure for B. Sc-II

| Subject/ Core Course | Name and Type of the Paper | | No. of papers/ Practical | Hrs/week | | | Total Marks Per Paper | UA | CA | Credits |
|---|-------------------------------|---|--|----------|----|----|--------------------------------|-----|-----|---------|
| | Type | Name | | L | T | P | | | | |
| Class : | B.Sc.- II : semester-III | | | | | | | | | |
| Core (*Students can opt any Three subjects among the Four Subjects offered at B.Sc.I. Out of Three Subjects offered One Subject will be the Core Subject OR | C-5 | Paper-V | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VI | 3.0 | -- | -- | 50 | 40 | 10 | | |
| | C-6 | Paper-V | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VI | 3.0 | -- | -- | 50 | 40 | 10 | | |
| | C-7 (Zoology) | Paper-V: Cell Biology | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | | Paper-VI: Principles of Ecology | 3.0 | -- | -- | 50 | 40 | | 10 |
| | SEC-1 | | | | | | | | | |
| | GE-3 | | | | | | | | | |
| Grand Total | | | | 18 | -- | -- | 300 | 240 | 60 | 12 |
| Class : | B.Sc.- II Semester – IV | | | | | | | | | |
| Core (*Students can opt any Three subjects among the Four Subjects offered at B.Sc.I. Out of Three Subjects offered One Subject will be the Core Subject OR Students can opt any Two subjects among the Four Subjects offered at B.Sc.I. Out of Two Subjects One Subject will be the Core Subject and any One Subject among the other will be Elective | C-8 | Paper-VII | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VIII | 3.0 | -- | -- | 50 | 40 | 10 | | |
| | C-9 | Paper-VII | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | Paper-VIII | 3.0 | -- | -- | 50 | 40 | 10 | | |
| | C-10 (Zoology) | Paper-VII Fundamentals of Biochemistry | 3.0 | -- | -- | 50 | 40 | 10 | 4.0 | |
| | | | Paper-VIII Physiology- Control & Coordination | 3.0 | -- | -- | 50 | 40 | | 10 |

| | | | | | | | | | | |
|-------------------|---------------------------------|---|----|-----|----------|------------|-----------|-----------|------------|----|
| Subject | | | | | | | | | | |
| | | SEC-2 | | | | | | | | |
| | | GE-4 | | | | | | | | |
| | | Environmental Studies | | 3.0 | -- | -- | 50 | 40 | 10 | NC |
| Total (Theory) | | | | 21 | -- | -- | 350 | 280 | 70 | 12 |
| Practical | C-5 & C-8 | Pr. III&IV | -- | -- | 8 | 100 | 80 | 20 | 4.0 | |
| | C-6 & C-9 | Pr. III&IV | -- | -- | 8 | 100 | 80 | 20 | 4.0 | |
| | C-7 & C-10 (Zoology) | Pr. I: (Cell Biology & Principles of Ecology) & Pr. II: (Fundamentals of Biochemistry & Physiology-Control & Coordination) | -- | -- | 8 | 100 | 80 | 20 | 4.0 | |
| | | | | | | | | | | |
| | | GE-3 & GE-4 | | | | | | | | |
| Total (Practical) | | | | | 24 | 300 | 240 | 60 | 12 | |
| Grand Total | | | | 39 | 24 | 950 | 760 | 190 | 36 | |

*Core Subjects

Chemistry/Physics/Electronics/Computer Science/Mathematics/Statistics/Botany/Zoology/
Microbiology/Geology/ Geography/Psychology

Core Subjects- (Additional)-Geochemistry/Biochemistry/Meteorology/Plant Protection

Summary of the Structure of B.Sc. Programme as per CBCS pattern

| Class | Semester | Marks-Theory | Credits-Theory | Marks-Practical | Credits-Practicals | Total – credits |
|----------|----------|--------------|----------------|-----------------|--------------------|-----------------|
| B.Sc.-II | III | 300 | 12 | -- | -- | 12 |
| | IV | 350 | 12 | 300 | 12 | 24 |
| Total | | 650 | 24 | 300 | 12 | 36 |

B.Sc. Programme :

Total Marks : Theory + Practical's = 650 + 300 = 950

Credits : Theory + Practical's = 12 + 24 = 36

Numbers of Papers Theory: Ability Enhancement Course (AECC) : 00

Theory: Discipline Specific Elective Paper (DSE) : 00

Theory: CC : 06

Skill Enhancement Courses : 00

GE : 00

Total : Theory Papers :

: Practical Papers

:

Abbreviations:

L: Lectures

T: Tutorials

P: Practicals

UA : University Assessment

CA : College Assessment

DSC / CC: Core Course

AEC : Ability Enhancement Course

DSE : Discipline Specific Elective Paper

SEC : Skill Enhancement Course

GE : Generic Elective

CA: Continuous Assessment

ESE: End Semester Examination

PAH SOLAPUR UNIVERSITY, SOLAPUR
Faculty of Science
Choice Based Credit System (CBCS)
(W.e.f. 2020-21)

• Title of the Course: B.Sc. Part-II

• Subject: Zoology

• **Introduction:** This course provides a broad overview of Zoology and to produces expert hands that would have sufficient knowledge and expertise to solve the urgent problems of the region by using Zoology. The course structure is basic science centric where students learn core science and are taught necessary fundamental subject for that purpose.

• **Objectives of the course: The objectives of B. Sc. Zoology course are:**

To provide an intensive and in depth learning to the students in field of Zoology. Beyond simulating, learning, understanding the techniques, the course also addresses the underlying recurring problems of disciplines in today scientific and changing world. To develop awareness & knowledge of different organization requirement and subject knowledge through varied branches and research methodology in students. To train the students to take up wide variety of roles like researchers, scientists, consultants, entrepreneurs, academicians, industry leaders and policy.

• **Course outcome and Advantages:** Zoology has tremendous job potential. The successful students will be able to establish research organizations with the help of agriculture, environment protection and also their own industry for transgenic animals, clinical pathology, genetic counseling, human karyotyping etc. Scientific Research Organizations. Universities in India & abroad.

• Medium of Instruction: English

• Syllabus Structure:

• The University follows semester system.

• An academic year shall consist of two semesters.

• B.Sc. Part-II Zoology shall consist of two semesters: Semester III and Semester IV

In semester III: there will be two DSC papers having paper V and paper VI of 100 marks. There will a **Compulsory paper on “Ability Enhancement Compulsory Course (AECC)”** on Environmental Studies

In Semester IV: there will be two DSC papers having paper VII and paper VIII of 100 marks.

The scheme of evaluation of performance of candidates shall be based on **University Assessment (UA)** as well as **College Internal Assessment (CA)** as given below.

For B.Sc.Part-II Zoology Sem III & IV the “internal assessment” will be based on Internal tests, Home assignment, Tutorials, Open Book Examination, Seminars, Group discussion, Brain storming sessions etc. as given below.

• **Practical course examination** is of 100 marks shall be conducted at the end of semester II. The

practical examination of 100 marks shall also consist of **80 marks for University practical assessment** and **20 marks for college internal assessment (CA)**.

• **Scheme of Evaluation:** As per the norms of the grading system of evaluation, out of 100 marks, the candidate has to appear for college internal assessment of 20 marks and external evaluation (University assessment) of 80 marks.

Semester – III: Theory: (100 marks): Comprising DSC-

a) University Examination (UA) (80 marks): No. of theory papers: 2 (paper V and paper VI of 40 marks each)

b) Internal Continuous Assessment (CA) (20 marks) No. of theory papers: 2 (paper V and paper VI of 10 marks each)

c) **Compulsory paper on “Ability Enhancement Compulsory Course (AECC)” on Environmental Studies**

Internal test- Home assignment / tutorials / seminars / viva/ group discussion/ outreach programs.

Semester – IV: Theory: (100 marks): Comprising DSC-

a) University Examination (UA) (80 marks): No. of theory papers: 2 (paper VII and paper VIII of 40 marks each)

b) Internal Continuous Assessment (CA) (20 marks) No. of theory papers: 2 (paper VII and paper VIII of 10 marks each)

Internal test- Home assignment / tutorials / seminars / viva/ group discussion/ outreach programs.

Practical Examination: (100 marks)

University Examination (80 marks): No. of practicals: 02

Practical-I: Based on papers V & VI : (40 UA + 10 CA)

Practical-II: Based on papers VII & VIII : (40 UA + 10 CA)

Internal Continuous Assessment: (20 marks): Practical-I (10) + Practical-II (10)

(a) Internal practical test and

(b) Viva/group discussion/model or chart/attitude/attendance/overall behavior

(c) University practical examination of 80 marks (Practical I & II for two separate days) will be conducted at the end of semester IV

Passing Standard:

The student has to secure a minimum of 4.0 grade points (Grade C) in each paper. A student who secure less than 4.0 grade point (39% or less marks, Grade FC/FR) will be declared fail in that paper and shall be required to reappear for respective paper. A student who failed in University Examination (theory) and passed in internal assessment of a same paper shall be given FC Grade.

Such student will have to reappear for University Examination only. A student who fails in internal assessment and passed in University examination (theory) shall be given FR Grade. Such student will have to reappear for both University examination as well as internal assessment. In case of Annual pattern/old semester pattern students/candidates from the mark scheme the candidates shall appear for the same 70 marks of external examination and his performance shall be scaled to 100 marks.

• **ATKT:**

Candidate passed in all papers, except 5 (five) papers combined together of semester I and II of B.Sc. Part-I Zoology examination shall be permitted to enter upon the course of Semester III of B.Sc. Part-II Zoology

B.Sc .II Semester-III & IV, ZOOLOGY
Choice Based Credit System (CBCS) Structure (2020-21)
Semester- III (Theory)

| Paper | Title | Marks |
|--------------|-----------------------|--------------------------|
| V | Cell Biology | 50 (40- UA and 10-CA) |
| VI | Principles of Ecology | 50 (40- UA and 10-CA) |

Semester- IV (Theory)

| Paper | Title | Marks |
|--------------|-----------------------------------|--------------------------|
| VII | Fundamentals of Biochemistry | 50 (40- UA and 10-CA) |
| VIII | Physiology-Control & Coordination | 50 (40- UA and 10-CA) |

PRACTICALS

| PRACTICAL | Title | Marks |
|------------------|---|--------------------------|
| I | Cell Biology & Principles of Ecology | 50 (40- UA and 10-CA) |
| II | Fundamentals of Biochemistry & Physiology Control & Coordination | 50 (40- UA and 10-CA) |
| | Total Marks | 100 (80-UA + 20-CA) |

PAH SOLAPUR UNIVERSITY, SOLAPUR
Choice Based Credit System (CBCS)
Zoology

Paper-V

CELL BIOLOGY: THEORY (Credits-02 & contact hours-30)

| | | |
|----------------|--|-----------|
| Unit 1: | Overview of Cells Prokaryotic and Eukaryotic cells, Virus, Viroids | 02 |
| Unit 2: | Plasma Membrane Singer & Nicholson's model of plasma membrane. Transport across membranes: An overview of active and passive transport | 03 |
| Unit 3: | Endomembrane System Structure and Functions: Endoplasmic Reticulum, Golgi apparatus, Lysosomes | 06 |
| Unit 4: | Mitochondria Mitochondria: Ultrastructure, Semi-autonomous nature, Endosymbiotic hypothesis Mitochondrial Respiratory Chain, functions. | 04 |
| Unit 5: | Cytoskeleton Structure and Functions: Microtubules, Microfilaments | 04 |
| Unit 6: | Nucleus Structure and functions of Nucleus, Nuclear envelope, Nuclear pore complex, Nucleolus, Chromatin: Euchromatin, Heterochromatin and nucleosome | 05 |
| Unit 7: | Cell Division Cell cycle, Mitosis and Meiosis | 04 |
| Unit 8: | Cell Signaling • Types of cell signaling, Brief idea of G-Protein Coupled Receptor (GPCR) and Role of secondary messengers (cAMP) | 02 |

SUGGESTED READINGS

- 1) Karp, G. (2010). Cell and Molecular Biology: Concepts and Experiments. VI Edition. John Wiley and Sons. Inc.
- 2) De Robertis, E.D.P. and De Robertis, E.M.F. (2006). Cell and Molecular Biology. VIII Edition. Lippincott Williams and Wilkins, Philadelphia.
- 3) Cooper, G.M. and Hausman, R.E. (2009). The Cell: A Molecular Approach. V Edition. ASM Press and Sunderland, Washington, D.C.; Sinauer Associates, MA.
- 4) Becker, W.M., Kleinsmith, L.J., Hardin. J. and Bertoni, G. P. (2009). The World of the Cell. VII Edition. Pearson Benjamin Cummings Publishing, San Francisco.
- 5) Bruce Albert, Bray Dennis, Lewis Julian, Raff Martin, Roberts Keith and Watson James (2008).

Learning outcomes : Students will come to know about:

- Cellular architecture & their functions at organismic level
- This knowledge will help students in future to explore areas like: oncology, medical diagnostics and treatment
- Understand the functioning of nucleus and extra nuclear organelles and understand the intricate cellular mechanisms involved.
- Acquire the detailed knowledge of different pathways related to cell signaling and apoptosis thus enabling them to understand the anomalies in cancer.
- Develop an understanding how cells work in healthy and diseased states and to give a 'health forecast' by analyzing the genetic database and cell information.
- Get new avenues of joining research in areas such as genetic engineering of cells, cloning, vaccines development, human fertility programme, organ transplant, etc.

Paper-VI

PRINCIPLES OF ECOLOGY: THEORY (Credits-02 & contact hours-30)

| | | |
|----------------|--|-----------|
| Unit 1: | Introduction to Ecology History of ecology, Autecology and synecology | 02 |
| Unit 2: | Population Ecology Brief idea about attributes of population: Density, natality, mortality, life tables, fecundity tables, survivorship curves. | 05 |
| Unit 3: | Animal Associations- Brief idea and definitions <ul style="list-style-type: none">• Intraspecific associations: Parental care in fishes, groupism and social behavior• Interspecific associations: commensalism, mutualism, predation and parasitism | 05 |
| Unit 4: | Abiotic Factors Introduction & Effects on animals: Temperature, light, water, water hardness, humidity, soil, oxygen and carbon dioxide. | 03 |
| Unit 5: | Community Community characteristics: species richness, dominance, diversity indices, abundance. | 04 |
| Unit 6: | Ecosystem General characteristics & faunal adaptations in: <ul style="list-style-type: none">• Aquatic (freshwater ecosystem: lotic and lentic) &• Terrestrial (grassland and desert ecosystem). | 05 |
| Unit 7: | Food chain: Pond ecosystem: with reference to food chain, ecological pyramid, energy flow and ecological succession | 04 |
| Unit 8 | Applied Ecology Brief idea of: Biodiversity hot-spots and sacred groves in India with examples | 02 |

SUGGESTED READINGS:

- 1) Colinvaux, P. A. (1993). Ecology. II Edition. Wiley, John and Sons, Inc.
- 2) Krebs, C. J. (2001). Ecology. VI Edition. Benjamin Cummings.
- 3) Odum, E.P., (2008). Fundamentals of Ecology. Indian Edition. Brooks/Cole
- 4) Robert Leo Smith Ecology and field biology Harper and Row publisher
- 5) Ricklefs, R.E., (2000). Ecology. V Edition. Chiron Pres

Learning Outcomes (LO): Students will come to know about

- Ecological principles & applications that govern the planet Earth
- This knowledge will help students in future to explore areas like: biodiversity, conservation biology, forestry & natural resource management
- Know the evolutionary and functional basis of animal ecology.
- Understand what makes the scientific study of animal ecology a crucial and exciting endeavor.
- Engage in field-based research activities to understand well the theoretical aspects taught besides learning techniques for gathering data in the field.
- Analyze a biological problem, derive testable hypotheses and then design experiments and put the tests into practice.
- Solve the environmental problems involving interaction of humans and natural systems at local or global level.

Semester-IV

B.Sc.-II Zoology (CBCS): Semester-IV

PAPER-VII: FUNDAMENTALS OF BIOCHEMISTRY

THEORY (CREDITS 2; Contact Hours-30)

- Unit 1: Carbohydrates (04)**
Structure and biological Significance of: Monosaccharides, Disaccharides, Polysaccharides and Glycoconjugates
- Unit 2: Lipids (04)**
Structure and biological Significance of: Physiologically important of saturated and unsaturated fatty acids, Tri-acylglycerols, Phospholipids, Glycolipids, Steroids
- Unit 3: Amino Acids (03)**
Amino acids: Structure, Classification and General Properties of α -amino acids;
- Unit 4: Proteins: (02)**
Levels of organization in proteins (primary, secondary, tertiary & quaternary); Simple and conjugate proteins with examples
- Unit- 5: Immunoglobulins: (02)**
Basic Structure, Classes and biological significance
- Unit 6: Nucleic Acids (04)**
Structure: Purines and pyrimidines, Nucleosides, Nucleotides, Nucleic acids: Base pairing, Denaturation and Renaturation of DNA; Types of DNA and RNA.
- Unit 7: Central Dogma (04)**
Basic concepts of replication, transcription and translation in prokaryotes
- Unit 8: Enzymes (07)**
Nomenclature and classification; Co-factors; Properties of enzymes; Mechanism of enzyme action; Factors affecting enzyme actions; Enzyme inhibition, Isozymes

Learning Outcome:

After successfully completing this course, the students will be able to:

- Understand the structure and biological significance of carbohydrates, amino acids, proteins, lipids and nucleic acids.
- Understand the structure and function of immunoglobulins.
- Understand the concept of enzyme, its mechanism of action and regulation.
- Understand the process of DNA replication, transcription and translation.
- Learn the preparation of models of peptides and nucleotides.

- Develop an understanding of the related disciplines, such as cell biology, neurophysiology, pharmacology, biochemistry etc
- Get a flavor of research by working on project besides improving their writing skills. It will further enable the students to think and interpret individually.
- Undertake research in any aspect of animal physiology in future.

REFERENCES:

CELL BIOLOGY:

- Karp, G. (2010). Cell and Molecular Biology: Concepts and Experiments. VI Edition. John Wiley and Sons. Inc.
- De Robertis, E.D.P. and De Robertis, E.M.F. (2006). Cell and Molecular Biology. VIII Edition. Lippincott Williams and Wilkins, Philadelphia.
- Cooper, G.M. and Hausman, R.E. (2009). The Cell: A Molecular Approach. V Edition. ASM Press and Sunderland, Washington, D.C.; Sinauer Associates, MA.
- Becker, W.M., Kleinsmith, L.J., Hardin. J. and Bertoni, G. P. (2009). The World of the Cell. VII Edition. Pearson Benjamin Cummings Publishing, San Francisco.
- Bruce Albert, Bray Dennis, Levis Julian, Raff Martin, Roberts Keith and Watson James (2008). Molecular Biology of the Cell, V Edition, Garland publishing Inc., New York and London.

ECOLOGY:

- Colinvaux, P. A. (1993). Ecology. II Edition. Wiley, John and Sons, Inc.
- Krebs, C. J. (2001). Ecology. VI Edition. Benjamin Cummings.
- Odum, E.P., (2008). Fundamentals of Ecology. Indian Edition. Brooks/Cole
- Robert Leo Smith Ecology and field biology Harper and Row publisher
- Ricklefs, R.E., (2000). Ecology. V Edition. Chiron Pres

FUNDAMENTALS OF BIOCHEMISTRY:

- Cox, M.M and Nelson, D.L. (2008). Lehninger's Principles of Biochemistry, V Edition, W.H. Freeman and Co., New York.
- Berg, J.M., Tymoczko, J.L. and Stryer, L. (2007). Biochemistry, VI Edition, W.H. Freeman and Co., New York.
- Murray, R.K., Bender, D.A., Botham, K.M., Kennelly, P.J., Rodwell, V.W. and Well, P.A. (2009). Harper's Illustrated Biochemistry, XXVIII Edition, International Edition, The McGraw-Hill Companies Inc.
- Hames, B.D. and Hooper, N.M. (2000). Instant Notes in Biochemistry, II Edition, BIOS Scientific Publishers Ltd., U.K.
- Watson, J.D., Baker, T.A., Bell, S.P., Gann, A., Levine, M. and Losick, R. (2008). Molecular Biology of the Gene, VI Edition, Cold Spring Harbor Lab. Press, Pearson Pub.

PHYSIOLOGY: CONTROL & COORDINATION:

- Guyton, A.C. & Hall, J.E. (2006). Textbook of Medical Physiology. XI Edition. Hercourt Asia PTE Ltd. /W.B. Saunders Company.
- Tortora, G.J. & Grabowski, S. (2006). Principles of Anatomy & Physiology. XI Edition John Wiley & sons
- Victor P. Eroschenko. (2008). diFiore's Atlas of Histology with Functional correlations. XII

Edition. Lippincott W. & Wilkins.

Practical
PAH Solapur University, Solapur, Faculty of Science
Choice Based Credit System (CBCS)
B.Sc.-II Zoology
(2020-2021 : w.e.f. June 2019) **

Practical-I (Paper-V & VI): Cell Biology and Principles of Ecology (04 Credits)

1. Preparation of temporary stained squash of onion root tip to study various stages of mitosis.
2. Study of various stages of meiosis in onion flower buds.
3. Demonstration/ Observation of Barr body using permanent slide(s) (*spotter*)
4. Study of principle and procedure and technique using permanent slide (*spotter*)
 - i) DNA by Feulgen technique.
 - ii) Mucopolysaccharides by Periodic Acid Schiff's Reaction (PAS)
5. Study and construction of ecological pyramid from given data:
 - i) **Members of Grass land ecosystem** –
Grasshopper, Rat Snake, Grass, Herbs, Shrubs, Weeds, Trees, Vulture, Squirrel, Earthworm, Centipede, Scorpion, Rabbit and Indian Bustard.
 - ii) **Members of Pond ecosystem** –
Sponge, Nepa, Leech, Planaria, Hydra, Lymnea, Planorbis, Heron, Kingfisher, Cyclops, Daphnia, Tortoise, Diatoms Vallisneria, Hydrilla, Chara and Spirogyra.
6. Calculation of Shannon-Weiner diversity index from the given data/ model.
7. Study of an aquatic ecosystem: Identification of Zooplankton with the help of permanent slides (*Spotters*),
8. Estimation of Dissolved Oxygen (Winkler's method) from given sample,
9. Estimation of Carbondioxide (CO₂) from given sample.
10. Estimation of Total Hardness content from given sample.
- 11 Study Visit: Report on a visit to National / Central / State institutes / Local water bodies/National Park/Biodiversity Park/Wild life sanctuary.

Practical-II
(Paper-VII & VIII):

FUNDAMENTALS OF BIOCHEMISTRY and ANIMAL PHYSIOLOGY: CONTROLLING
AND COORDINATING SYSTEMS (CREDITS-04) **

1. Qualitative tests of functional groups in carbohydrates, proteins and lipids.
 2. Estimation of protein by colorimetric method.
 3. Estimation of carbohydrates by colorimetric method.
 4. Demonstration of paper chromatography of amino acids.
 5. Action of amylase or papain enzyme under optimum conditions.
 6. Effect of pH, temperature and inhibitors on the action of amylase.
 7. Demonstration of proteins separation by SDS-PAGE.
 8. Recording of simple muscle twitch/ Cardiogram – demonstration. (Virtual frog/ computer generated)
(Analysis of given graph of Frog- muscle twitch or cardiogram In the examination students are provided with any one computer generated graph and supposed to ‘Analyze the given graph and explain details of principle, procedure, result, Inference and viva-voce based on the given practical is expected)
 9. Study of permanent slides (T.S./V,S.) - of Mammalian organs using permanent slides:
i) Tooth ii) Salivary gland iii) Stomach iv) Ileum v) Liver vi) Pancreas vii) Kidney
viii) Testis ix) Ovary
 10. Study of ABO blood group system and blood group antigens
 11. Microtomy: Study of principle , procedure and mechanism of micro-technique and microtome :
flow chart of technique, study of procedure and observation of HE staining technique/ whole mount
using permanent slides (study of protocol using flowchart).
 12. Study visit: Visit to wetlands, medical college, pathology laboratory and blood bank
- OR**
13. Preparation and submission of small project/ review on topics related to ecology, cell biology, biochemistry and physiology

****Note:**

As per the guidelines of **UGC notification number F.14-6/2014(CPP-II) dated 1stAugust, 2014** it is now essential to make necessary modifications to stop dissection and promote and orient students towards the knowledge component rather than skill development. However, ITC based virtual dissections are promoted. Now, the responsibility to discontinue dissections and use of animals in experiments totally rests on concerned authorities of respective colleges/Institutes. As per the notification it is important to encourage the field trips and observations without disturbing the biodiversity. For laboratory observations existing permanent slides and specimens should be shown. As per the guidelines of UGC , all the Zoology departments should be empowered with infrastructure to adopt Information communication technology (ICT) required for the purpose of virtual dissections for which virtual class room / laboratory to be enriched with few computers (according to the strength of students),internet facility , printer etc.

**Skeleton paper for practical examination
(University Examination for 40 Marks)**

| Practical-I (Paper-V & VI) | | |
|---|---|--------------|
| Cell Biology and Principles of Ecology | | |
| Questions | | Marks |
| Q-1: | Preparation of temporary stained squash of onion root tip to study various stages of mitosis OR Study of various stages of meiosis in onion flower buds. | 08 |
| Q-2: | Estimation from given sample - of Dissolved Oxygen (Winkler's method) OR Carbondioxide (CO ₂) OR Total Hardness content | 08 |
| Q:3: | Study and construction of ecological pyramid from given data: <i>i) Members of Grass land ecosystem –</i> Grasshopper, Rat Snake, Grass, Herbs, Shrubs, Weeds, Trees, Vulture, Squirrel, Earthworm, Centipede, Scorpion , Rabbit and Indian Bustard. OR <i>ii) Members of Pond ecosystem –</i> Sponge, Nepa, Leech, Planaria, Hydra, Lymnea, Planorbis, Heron, Kingfisher, Cyclops, Daphnia, Tortoise , Diatoms Vallisneria, Hydrilla, Chara and Spirogyra. | 08 |
| Q:4 | Spotting / Identification (Any four) Zooplankton with the help of permanent slides (chart/ model /photo) / Bar body (Spotters). | 08 |
| Q:5 | Submission of tour report and viva-voce | 04 |
| Q:6 | Submission of certified journal | 04 |
| Total Marks | | 40 |

| Practical-II (Paper-VII & VIII): Fundamentals of Biochemistry and Animal Physiology: Controlling and Coordinating Systems | | |
|--|--|--------------|
| Questions | | Marks |
| Q-1: | Qualitative tests of functional groups in carbohydrates, proteins and lipids. Or Estimation of protein and carbohydrates by colorimetric method. | 08 |
| Q-2: | Action of amylase or papain enzyme under optimum conditions Or Effect of pH, temperature and inhibitors on the action of amylase. Or Study of ABO blood group system and blood group antigens | 08 |
| Q:3: | Recording of simple muscle twitch demonstration. / Cardiogram (Virtual frog) Or Microtomy: Study of principle and mechanism of microtechnique: flow chart of technique, study of procedure and observation of Haemotoxylene Eosine staining technique using permanent slides. | 08 |
| Q:4 | Spotting / Identification (any 4). Mammalian T.S. or V.S. - Tooth / Salivary gland / Stomach / Ileum / Liver / Pancreas / Kidney / Testis / Ovary | 08 |
| Q:5 | Submission of tour report / Project/ review and viva-voce | 04 |
| Q:6 | Submission of certified journal | 04 |
| Total Marks | | 40 |

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

पुण्यश्लोक अहिल्यादेवी होळकर सोलापुर विश्वविद्यालय, सोलापुर



Name of the Faculty : Humanities

मानव्यविद्या (मानविकी) शाखा

CBCS Syllabus

Name of the Course : B.A.-II Hindi Semester - III

बी.ए. भाग - दो-तृतीय सत्र

Paper No - III प्रश्नपत्र क्रमांक - 3

Title of the Paper - Aadhunik Hindi Gadya : khani Ev Vyavharik Hindi

प्रश्नपत्र का नाम - आधुनिक हिंदी गद्य : कहानी एवं व्यावहारिक हिंदी

With effect from - June 2020-21

जून 2020-21 से आरंभ

परिचय /Introduction

आधुनिक हिंदी कहानी साहित्य विषय वैविध्यता की दृष्टि से काफी समृद्ध रहा है। हर विभिन्न समस्याओं का सृजन करना कहानियों का मुख्य उद्देश्य है। ऐसी ही चर्चित कहानियों का अध्ययन किए बिना कहानी साहित्य का साहित्यिक मूल्यांकन करना उचित नहीं लगता है। इसमें कहानी सृजन के अनेक पहलुओं को उजागर करने का प्रयास किया है। कहानियों ने अपनी विकास यात्रा में नई-पुरानी पीढ़ी का बनता-बिगड़ता रिश्ता और उदारता, बदलती बिरादरियाँ, ग्राम समाज की विविध मनोवृत्तियाँ, व्यापारी की दयनीय अवस्था, संघर्ष और अनाथ-गूंगे बहरे के बारे में राष्ट्र की पलायनवादी विविध प्रवृत्तियों का परिचय प्रस्तुत किया है।

पाठ्यक्रम के उद्देश्य / Course Objective

- 1) आधुनिक वैविध्यपूर्ण हिंदी कहानियों से छात्रों को अवगत कराना।
- 2) समकालिन परिवेश और जीवन यथार्थ से परिचित कराना।
- 3) आधुनिकता बोध और नये मूल्यों के प्रति देखने का नजरिया उन्नतपूर्ण कराना।
- 4) कहानी कला के प्रति अभिरूचि और समीक्षा-दृष्टि विकसित कराना।

CBCS Pattern B.A.-II Paper No-III - Semester-III

(Credit Theory - 4 Practicals - 0)

Total Theory Lecture 60

समन्वयक - प्रो.डॉ.सौ.सुरैय्या शेख
अध्यक्ष-हिंदी अध्ययन मंडल,
पुअहो सोलापुर विश्वविद्यालय,सोलापुर

पाठ्यपुस्तक:-

कहानी यात्रा - संपादक डॉ. दिलीप कसबे
राजकमल प्रकाशन,नई दिल्ली

अध्ययनार्थ कहानियाँ-

Total No of Lectures - 60

इकाई : I

Credit -1 Lectures 15

- 1) बडे घर की बेटी - प्रेमचंद
- 2) बिरादरी बाहर - राजेंद्र यादव

इकाई : II

Credit -1 Lectures 15

- 3) पंचलाईट - फणीश्वरनाथ 'रेणु'
- 4) गूंगे - रांगेय राघव

इकाई : III

Credit -1 Lectures 15

- 5) एक रुकी हुई जिंदगी - कमलेश्वर
- 6) संघर्ष - सुशिला टाकभौरे

व्यावहारिक हिंदी :-

- 1) अनुवाद - अर्थ, परिभाषा, अनुवाद लेखन एवं महत्त्व
- 2) विज्ञापन- अर्थ, परिभाषा लेखन एवं महत्त्व
- 3) संवाद कौशल

List of Reference Books / संदर्भ ग्रंथ सूची -

- 1) हिंदी कहानी का विकास (भाग - 1 और 2) गोपाल राय, राधाकृष्ण प्रकाशन, नई दिल्ली
- 2) आधुनिक विज्ञापन और जनसंपर्क - डॉ.यू.सी.गुप्ता अर्जुन पब्लिशिंग हाऊस, अंसारी रोड, दरियागंज, नई दिल्ली - 110002
- 3) विज्ञापन - अशोक महाजन, हरियाना साहित्य अकादमी, पंचकूला
- 4) विज्ञापन - पत्रकारिता- एन. सी. पंत, इंद्रजीत सिंह, कनिष्ठ पब्लिशर्स, डिस्ट्रीब्यूटर्स, नई दिल्ली- 110002
- 5) हिंदी साहित्य का दूसरा इतिहास - बच्चन सिंह
- 6) अनुवाद चिंतन : समस्या और समाधान - डॉ. अर्जुन चव्हाण
- 7) अनुवाद की भूमिका - डॉ. कृष्णकुमार गोस्वामी
- 8) अनुवाद विज्ञान - डॉ. भोलानाथ तिवारी
- 9) प्रयोजनमूलक हिंदी - डॉ. लक्ष्मीकांत पांडेय, डॉ. प्रमिला अवस्थी, आशीष प्रकाशन, कानपुर
- 10) हिंदी कहानी : स्वरूप और संवेदना - राजेंद्र यादव
- 11) हिंदी कहानी के सौ वर्ष - रामदरश मिश्र
- 12) परसाई रचनावली - सं. कमलाप्रसाद, राजकमल प्रकाशन, नई दिल्ली

Equivalent Subject for Old Syllabus

| Sr.No. | Name of the old paper | Name of the new paper |
|--------|--|--|
| 1. | आधुनिक गद्य : कहानी एवं व्यावहारिक हिंदी | आधुनिक हिंदी गद्य : कहानी एवं व्यावहारिक हिंदी |

Nature of Question Paper

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

| | | |
|--------------------------------|------------------------------------|--------|
| प्रश्न 1) बहुविकल्पी आठ प्रश्न | (पूरे पाठ्यक्रम पर) | अंक 8 |
| प्रश्न 2) लघुत्तरी प्रश्न | (व्यावहारिक हिंदी पर) (6 में से 4) | अंक 12 |
| प्रश्न 3) ससंदर्भ स्पष्टीकरण | (कहानी पर) (3 में से 2) | अंक 10 |
| प्रश्न 4) दीर्घोत्तरी प्रश्न | (कहानी पर) | अंक 10 |

कुल अंक 40

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

पुण्यश्लोक अहिल्यादेवी होळकर सोलापुर विश्वविद्यालय, सोलापुर



Name of the Faculty : Humanities

मानव्यविद्या (मानविकी) शाखा

CBCS Syllabus

Name of the Course : B.A.-II Hindi Semester - IV

बी.ए. भाग - दो-चतुर्थ सत्र

Paper No - V प्रश्नपत्र क्रमांक - 5

Title of the Paper - Aadhunik Hindi Gadya : Ekanki Ev Vyavharik Hindi

प्रश्नपत्र का नाम - आधुनिक हिंदी गद्य : एकांकी एवं व्यावहारिक हिंदी

With effect from - June 2020-21

जून 2020-21 से आरंभ

प्रस्तावना :-

एकांकी एक विधा के रूप में मानवीय जीवन में अत्यानंद देती है। हिंदी एकांकी ने आधुनिक काल में विविध आयामों को उद्घाटित किया है। साथ ही उसके अनेक पहलुओं को उजागर करने का प्रयास किया है। एकांकी ने अपनी विकास यात्रा में प्रायश्चित्त, पुरानी और नई पीढ़ी का संघर्ष, वेश्याओं की मुक्ति के प्रश्न, दहेज की ज्वलंत समस्या, विज्ञापन में होनेवाली छोटी सी भूल का नतीजा, डॉक्टरों से मुक्ति पाने के लिए मजबूर होना आदि सामाजिक समस्याओं को प्रस्तुत किया है।

पाठ्यक्रम के उद्देश्य :-

- 1) आधुनिक हिंदी एकांकी विधा को अवगत कराना।
- 2) समकालीन परिवेश और मानवीय समाज जीवन से परिचित कराना।
- 3) आधुनिकता बोध और नये मूल्यों के प्रति देखने का नजरिया विकसित कराना।
- 4) एकांकी कला के प्रति अभिरूचि और समीक्षा- दृष्टि विकसित कराना।

CBCS Pattern B.A.II Paper No-V - Semester-IV

(Credit Theory - 4 Practicals - 0)

Total Theory Lecture 60

समन्वयक - प्रो.डॉ.सौ.सुरैय्या शेख
अध्यक्ष-हिंदी अध्ययन मंडल,
पुअहो सोलापुर विश्वविद्यालय,सोलापुर

पाठ्यपुस्तक:-

एकांकी प्रतिभा - संपादक डॉ. दिलीप कसबे
राजकमल प्रकाशन,नई दिल्ली

अध्ययनार्थ एकांकीकाएँ-

Total No of Lectures - 60

इकाई : I

Credit -1 Lectures 15

- 1) प्रतिशोध - डॉ. रामकुमार वर्मा
- 2) पिकनिक - विष्णु प्रभाकर

इकाई : II

Credit -1 Lectures 15

- 3) गली की शांति - लक्ष्मीनारायण लाल
- 4) बहू की विदा - विनोद रस्तोगी

इकाई : III

Credit -1 Lectures 15

- 5) अखबारी विज्ञापन - चिरंजीत
- 6) बचाओ, मुझे डॉक्टरों से बचाओ - डॉ. शंकर पुणतांबेकर

इकाई : IV

Credit -1 Lectures 15

व्यावहारिक हिंदी

- 1) अनेकार्थक शब्द - 25 (परिशिष्ट -1)
- 2) लोकोक्तियाँ और उनके अर्थ - 25 (परिशिष्ट -2)
- 3) वाक्यांश के लिए एक शब्द - 25 (परिशिष्ट -3)

परिशिष्ट -1

अनेकार्थक शब्द :-

- 1) अंजाम - फल , नतीजा , समाप्ति , पूर्ति
- 2) अंत - समाप्ति , नाश , मृत्यु , परिणाम , सीमा
- 3) अंध - अंधा , विचारहीन , अचेत , अज्ञान , नेत्रहीन व्यक्ति
- 4) अंबर - आकाश , वस्त्र , परिधि , एक सुगंधी खनिज
- 5) अंभोज - कमल , कपूर , चंद्रमा , शंख
- 6) अधिकार - प्रभुत्व , हक , स्थान, कब्जा , हुकूमत , विषय
- 7) अपकार - उपकार का उल्टा , बुराई , अहित , अपमान , अत्याचार
- 8) अभिरूचि - शोक , झुकाव , विशेष , अभिलाषा
- 9) अलोक - अदृश्य , निर्जन , पुण्यहीन , पातालादि लोक
- 10) अवनति - झुकाव , गिरावट , उतार , कमी , दंडवत , विनम्रता
- 11) उदात्त - ऊँचा , महान , उदार , श्रेष्ठ , स्पष्ट
- 12) उपराग - रंग , लाल रंग , लाली , दुर्व्यवहार , निंदा
- 13) कन - कण , प्रसाद , भीख , कान
- 14) काम - कार्य , मतलब , संबंध , स्वार्थ , नौकरी
- 15) कुल - परिवार , वंश , समूह , घर , जाति
- 16) खराब - बुरा , हीन , नष्ट , बरबाद , दुश्चरित्र , बिगडा हुआ
- 17) गजब - अंधेरा , क्रोध , कोप , विपत्ति , संकट
- 18) गुण - निजी , विशेषता , निपुणता , हुनर , प्राकृतिक वृत्तियाँ , लक्षण
- 19) गुरू - पूज्य , वजनदार , भारी , बडा , कठिन , दीर्घ मात्रा
- 20) गो - गाय , इंद्रिय , वाणी , दृष्टि , दिशा , माता
- 21) गौरव - बडप्पन , महत्त्व , गुरुता , आदर , सम्मान , मर्यादा, प्रतिष्ठा
- 22) चरण - पाँव , सामीप्य , श्लोक का चतुर्थांश , काल, मान आदि का चौथाई भाग
- 23) चरित्र - आचरण , चाल-चलन , कार्यकलाप , स्वभाव , गुणधर्म , जीवन चरित्र , जीवनी
- 24) जाति - वंश , कुल , जन्म, उत्पत्ति , वर्ण , वर्ग , जात
- 25) जिगर- कलेजा ,साहस, हिम्मत ,चित्त, मन

परिशिष्ट - 2

लोकोक्तियाँ और उनके अर्थ :-

- 1) अधजल गगरी छलकत जाए - ओछा व्यक्ति अधिक प्रदर्शन करता है।
- 2) अकल बडी की भेंस - बुद्धि शारीरिक शक्ति से अच्छी होती है।
- 3) आम के आम गुठलियों के दाम - दोनों ओर से लाभ मिलना।
- 4) आधा तीतर आधा बटेर - पूर्णता नहीं होना, अनमेल रूप या कार्य।
- 5) उलटा चोर कोतवाल को डाँटे - अपराध भी करें और अकड भी दिखाये।
- 6) ऊँट के मुँह में जीरा - अधिक स्थान पर बहुत कम का प्रयोग।
- 7) एक अनार सौ बीमार - वस्तु कम और चाहने वाले अधिक।
- 8) एक हाथ से ताली नहीं बजती - झगडा एक व्यक्ति से नहीं होता।
- 9) एक तो करेला फिर निम चढा - दुष्ट व्यक्ति के कुसंग में और पड जाना।
- 10) एक म्यान में दो तलवार - समान वर्चस्व के व्यक्ति एक साथ नहीं रह सकते।
- 11) एक और एक ग्यारह होते हैं - एकता में शक्ति होती है।
- 12) अंधा पीसे कुत्ता खाये - मूर्ख की कमाई दूसरे खाते हैं।
- 13) कहाँ राजा भोज, कहाँ गंगू तेली - अत्यधिक अंतर होना।
- 14) कुछ दाल में काला है - संदेहास्पद स्थिति में होना।
- 15) खोदा पहाड निकली चुहियाँ - अधिक परिश्रम से थोडा फल मिलना।
- 16) घर की मुर्गी दाल बराबर - अपनी वस्तु का सम्मान नहीं होता।
- 17) चोरी और सीनाजोरी - अपराध करना और अकडना।
- 18) छोटे मुँह बडी बात - अपनी हैसियत से बढकर बातें करना।
- 19) जिसकी लाठी उसकी भेंस - जिसमें बल होता है वह राजा होता है।
- 20) जैसा देश वैसा भेस - देशानुसार कार्य करना चाहिए।
- 21) थोथा चना बाजे घना - मूर्ख व्यक्ति अधिक बोलता है।
- 22) दीवार के भी कान होते हैं - गुप्त परामर्श में भी सावधान रहना चाहिए।
- 23) पाँचो अंगुलियाँ घी में है - लाभ ही लाभ।
- 24) बडे बोल का सीर नीचा - अभिमान का पतन होता है।
- 25) मुल्ला की दौड मस्जिद तक - अधिक उद्योग न करना।

परिशिष्ट - 3

वाक्यांश के लिए एक शब्द :-

- 1) जिसका कोई नाथ न हो - अनाथ
- 2) जिसका निवारण न किया जा सके - अनिवार्य
- 3) आदि से अन्त तक - आदयोपान्त
- 4) जिसकी गणना न की जा सके - अगणित
- 5) जिस पर किसीने अधिकार प्राप्त कर लिया हो - अधिकृत
- 6) किसी देश के प्राचीन मूल निवासी - आदिवासी
- 7) जो काम से जी चुराता हो - कामचोर
- 8) जो किये गये उपकार को न माने - कृतघ्न
- 9) जो कार्य करने योग्य हो - करणीय
- 10) जो कला की रचना करता है - कलाकार
- 11) जो जानने की इच्छा रखता है - जिज्ञासु
- 12) जो किसी गुट का सदस्य न हो - तटस्थ
- 13) जो तत्त्व को जानता हो - तत्त्वज्ञानी
- 14) जिसका दमन करना कठिन हो - दुर्दम
- 15) जिसके कोई संतान न हो - निस्संतान
- 16) अक्षर पढ़ने लिखने के ज्ञान से रहित - निरक्षर
- 17) जो देश-विदेश का भ्रमण करता हो - पर्यटक
- 18) जिसे पति ने छोड़ दिया हो - परित्यक्ता
- 19) कम बोलनेवाला - मितभाषी
- 20) जमीन का हिसाब-किताब रखनेवाला - लेखपाल
- 21) जो किसी विषय का जानकार हो - विशेषज्ञ
- 22) जो अधिक बोलता हो - वाचाल
- 23) जो सुनने योग्य हो - श्रव्य
- 24) शत्रुओं को मारनेवाला - शत्रुघ्न
- 25) जिसने पुण्य कार्य हेतु प्राण दिए हो - हुतात्मा

List of Reference Books / संदर्भ ग्रंथ सूची -

- 1) रामकुमार वर्मा के एकांकी नाटक - डॉ. सर्जेराव जाधव - विनय प्रकाशन, कानपुर
- 2) हिंदी एकांकी - सिद्धार्थ कुमार - राधाकृष्ण प्रकाशन, नई दिल्ली
- 4) हिंदी नाटक कोश - डॉ. दशरथ ओझा - नेशनल, दिल्ली
- 5) नाटककार जयशंकर प्रसाद - सत्येंद्र तनेजा - राजकमल प्रकाशन, दिल्ली
- 6) हिंदी के प्रतिनिधि एकांकीकार - द्वारिका प्रसाद सक्सेना - विनोद पुस्तक मंदिर, आगरा
- 7) हिंदी के ऐतिहासिक एकांकी : एक अनुशीलन - डॉ. अमरजा रेखी - अन्नपूर्णा प्रकाशन, कानपुर
- 8) एकांकी उद्भव और विकास- सं. विरेंद्रकुमार मिश्र - कोणार्क प्रकाशन, दिल्ली
- 9) हिंदी एकांकी की शिल्प विधि का विकास - सिद्धार्थ कुमार, इंद्रपस्थ प्रकाशन, दिल्ली
- 10) हिंदी एकांकी और एकांकीकार- डॉ. रमा सूद - अन्नपूर्णा प्रकाशन, कानपुर
- 11) हिंदी एकांकी उद्भव और विकास - डॉ. रामचरण महेंद्र- साहित्य प्रकाशन, दिल्ली
- 12) नाट्यचिंतन- नया संदर्भ - डॉ. चंद्र
- 13) शुद्ध हिन्दी- डॉ. जगदीश प्रसाद कौशिक- प्रकाशक : साहित्यागार, जयपुर- 3

Equivalent Subject for old syllabus

| Sr.No | Name of the Old paper | Name of the New Paper |
|-------|--|---|
| 1. | आधुनिक गद्य : उपन्यास एवं व्यावहारिक हिंदी | आधुनिक हिंदी गद्य : एकांकी एवं व्यावहारिक हिंदी |

Nature of Question Paper

प्रश्नपत्र का स्वरूप एवं अंक विभाजन

| | |
|--|--------|
| प्रश्न 1) बहुविकल्पी आठ प्रश्न (पूरे पाठ्यक्रम पर) | अंक 8 |
| प्रश्न 2) लघुत्तरी प्रश्न (व्यावहारिक हिंदी पर) (6 में से 4) | अंक 12 |
| प्रश्न 3) ससंदर्भ स्पष्टीकरण (एकांकी पर) (3 में से 2) | अंक 10 |
| प्रश्न 4) दीर्घोत्तरी प्रश्न (एकांकी पर) | अंक 10 |

कुल अंक 40

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

पुण्यश्लोक अहिल्यादेवी होळकर सोलापुर विश्वविद्यालय, सोलापुर



Name of the Faculty : Humanities

मानव्यविद्या (मानविकी) शाखा

CBCS Syllabus

Name of the Course : B.A.-II Hindi Semester - III

बी.ए. भाग - दो-तृतीय सत्र

Paper No - IV प्रश्नपत्र क्रमांक - 4

Title of the Paper – Madhyayugin Hindi Kavy, Vyakaran avn Lekhan

प्रश्नपत्र का नाम - मध्ययुगीन हिंदी काव्य, व्याकरण एवं लेखन

With effect from - June 2020-21

जून 2020-21 से आरंभ

परिचय / introduction

हिंदी का मध्ययुगीन काव्य विशिष्ट पृष्ठभूमि को दर्शाता है। इसके अध्ययन के बिना किसी भी काल का वास्तविक मूल्यांकन असंभव है। भक्ति कालीन काव्य लोक-जागरण तथा मंगलता का स्वर लेकर उगा है। इस काल की कविता एवं कवियों ने भारतवर्ष की भावनात्मकता, आध्यात्मिकता, तथा सांस्कृतिक परंपराओं को अबाधित रखा है। रीतिकालीन कविता प्रेम श्रृंगार के साथ-साथ वीरता से भरी है। जिसमें एक कलात्मक अभिव्यंजना उभरकर आती है। इनका अध्ययन समाज तथा संस्कृति को सुरक्षित रखने के लिए आवश्यक है। इन्हें समझने के लिए इन कविताओं का अध्ययन अनिवार्य है।

पाठ्यक्रम के उद्देश्य / Course objective

- 1) भक्तिकाल तथा रीतिकाल की सामाजिक, धार्मिक तथा सांस्कृतिक परिस्थिति एवं परिवेश से अवगत कराना।
- 2) भक्तिकालीन काव्य में निर्गुण और सगुण भक्ति धारा के माध्यम से प्राचीन तथा मध्य युगीन संस्कृति का अध्ययन कराना।
- 3) भक्तिकालीन तथा रीतिकालीन कविता के माध्यम से श्रृंगार एवं वीर रस की स्थापना का महत्व विशद कराना।
- 4) रीतिकालीन काव्य के माध्यम से प्रेम भावना का दर्शन कराना।
- 5) सामाजिक, राजनीतिक, सांस्कृतिक पृष्ठभूमि में कविता के अध्ययन विश्लेषण की जानकारी देना।
- 6) रीतिकालीन काव्य के माध्यम से प्रेम भावना का दर्शन कराना।

CBCS Pattern B.A.II Paper No - IV Semester- III

(Credit Theory- 4 Practicals- 0)

Total Theory Lecture 60

समन्वयक - प्रो.डॉ.सौ.सुरैय्या शेख

अध्यक्ष-हिंदी अध्ययन मंडल,

पुअहो सोलापुर विश्वविद्यालय,सोलापुर

पाठ्यपुस्तक:-

मध्ययुगीन हिंदी काव्य : संपादक डॉ.दादासाहेब खांडेकर, डॉ.राजेंद्र खैरनार

दिव्य डिस्ट्रीब्यूटर्स, कानपुर

अध्ययनार्थ कविताएँ

Total No of lectures 60

इकाई : I

Credit-1 Lectures-15

- 1) कबीर (दोहे क्र. 1,3,8,9,10,11,13,14,15,16)
- 2) जायसी (पद क्र. 2,3,6,7,8)

इकाई : II

Credit-1 Lectures-15

- 3) सूरदास (पद क्र. 1,2,3,4,5)
- 4) मीराबाई (पद क्र. 1,2,3,5,7)

इकाई : III

Credit-1 Lectures-15

- 5) रहीम (दोहे क्र. 2,3,4,6,8,10,11,13,14,17)
- 6) बिहारी (दोहे क्र. 2,4,5,7,8,10,11,14,17,18)

इकाई : IV

Credit-1 Lectures-15

व्याकरण एवं लेखन

- 1) उपसर्ग (सोदाहरण सामान्य परिचय)
- 2) प्रत्यय (सोदाहरण सामान्य परिचय)
- 3) वाक्य भेद (अर्थ के आधार पर)

List of Reference Books / संदर्भ ग्रंथ सूची

- 1) आचार्य रामचंद्र शुक्ल - जायसी ग्रंथावली, राजकमल प्रकाशन, दिल्ली
- 2) डॉ. भगवानदास तिवारी - संक्षिप्त भूषण, राजकमल प्रकाशन, दिल्ली
- 3) डॉ. हजारी प्रसाद द्विवेदी - कबीर, राजकमल प्रकाशन, नई दिल्ली
- 4) रामधारी सिंह दिनकर - काव्य की भूमिका, राजकमल प्रकाशन, नई दिल्ली
- 5) मैनेजर पांडे - भक्ति आंदोलन और सूरदास का काव्य राजकमल प्रकाशन, दिल्ली
- 6) विश्वनाथ प्रसाद मिश्र - भूषण, राजकमल प्रकाशन, नई दिल्ली
- 7) डॉ. सरला शुक्ला - हिंदी सूफी कवि और काव्य
- 8) राजमल बोरा - भूषण और उनका साहित्य
- 9) डॉ. सुरेश चंद्र - भक्ति आंदोलन और मध्यकालीन हिंदी काव्य
- 10) डॉ. रामकली सराफ - मध्ययुगीन काव्य प्रतिभाएँ
- 11) माधुरी पाटील - रामचरितमानस के चार संभाषण
- 12) आबिद रिजवी - रहीम के दोहे, मनोज प्रकाशन, दिल्ली
- 13) डॉ. के. पी. शहा - ॐ पब्लिकेशन, शाहुपुरी, कोल्हापुर
- 14) राजशेखर प्रसाद चतुर्वेदी - एम्, आय, पब्लिकेशन, आगरा
- 15) प्रा. वसंत खोत - सुबोध हिंदी व्याकरण, फडके प्रकाशन, कोल्हापुर

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|---------|-------------------------------|---|
| 1. | हिंदी काव्य, व्याकरण एवं लेखन | मध्ययुगीन हिंदी काव्य, व्याकरण एवं लेखन |

Nature of question Paper

प्रश्नपत्र का स्वरूप तथा अंक विभाजन

| | | |
|-----------|--|--------|
| प्रश्न 1) | बहुविकल्पी आठ प्रश्न (पूरे पाठ्यक्रम पर) | अंक 8 |
| प्रश्न 2) | लघुत्तरी प्रश्न (व्याकरण एवं लेखन पर) (6 में से 4) | अंक 12 |
| प्रश्न 3) | ससंदर्भ स्पष्टीकरण (मध्ययुगीन हिंदी काव्य पर) (3 में से 2) | अंक 10 |
| प्रश्न 4) | दीर्घोत्तरी प्रश्न (मध्ययुगीन हिंदी काव्य पर) | अंक 10 |

कुल अंक 40

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

पुण्यश्लोक अहिल्यादेवी होळकर सोलापुर विश्वविद्यालय, सोलापुर



Name of the Faculty : Humanities

मानव्यविद्या (मानविकी) शाखा

CBCS Syllabus

Name of the Course : B.A.-II Hindi Semester - IV

बी.ए. भाग - दो-चतुर्थ सत्र

Paper No - VI प्रश्नपत्र क्रमांक - 6

Title of the Paper - Aadhunik Hindi Kavy, Vyakaran avn Lekhan

प्रश्नपत्र का नाम - आधुनिक हिंदी काव्य, व्याकरण एवं लेखन

With effect from - June 2020-21

जून 2020-21 से आरंभ

परिचय / introduction

आधुनिक हिंदी काव्य नवीन भावभूमि और गतिशीलता को लेकर अवतरित हुआ। आधुनिकता, विश्वसनीयता एवं वैज्ञानिक दृष्टिकोण इसकी प्रमुख विशेषताएं हैं। उन्नीसवीं सदी के उत्तरार्ध से आद्यंत तक की संवेदनाएँ, भावनाएँ एवं उत्तम विचार सरणियाँ इसमें अभिव्यक्त हुई हैं। मनुष्य इसमें अभिव्यंजित हुआ है। अतः धाराओं में प्रमाण आधुनिक हिंदी काव्य प्रेरणा और ऊर्जा का अजस्र स्रोत है। संवेदना तथा ज्ञान क्षितिज के विस्तार के लिए इसका अध्ययन अत्यंत आवश्यक एवं प्रासंगिक है।

पाठ्यक्रम के उद्देश्य / Course objectives

- 1) हिंदी साहित्य के आधुनिक काल की पृष्ठभूमि को सम्मुख रखना।
 - 2) स्वतंत्रता के पश्चात की सामाजिक एवं आर्थिक परिस्थिति के साथ-साथ मानवीय प्रवृत्तियों को दर्शाना।
 - 3) छायावाद तथा प्रगतिवाद के माध्यम से प्रकृति, मानवीय पीड़ा, संवेदना को सम्मुख रखना।
 - 4) संवैधानिक मूल्यों से छात्रों को परिचित कराना।
-

CBCS Pattern B.A.II Paper No-VI Semester- IV

(Credit Theory - 4 Practicals- 0)

Total Theory Lecture 60

समन्वयक - प्रो.डॉ.सौ.सुरैय्या शेख
अध्यक्ष-हिंदी अध्ययन मंडल,
पुअहो सोलापुर विश्वविद्यालय,सोलापुर

पाठ्यपुस्तक:-

काव्यालोक - संपादक डॉ.अनिल सालुंखे, डॉ.गिरीश काशिद
दिव्य डिस्ट्रीब्यूटर्स,कानपुर

अध्ययनार्थ कविताएँ-

Total No of lectures- 60

इकाई : I

Credit-1 Lectures-15

- 1) मैथिली शरण गुप्त - शिक्षा की अवस्था
- 2) सूर्यकांत त्रिपाठी निराला - भिक्षुक
- 3) महादेवी वर्मा - जाग तुझको दूर जाना है
- 4) हरिवंश राय बच्चन - नीड़ का निर्माण

इकाई : II

Credit-1 Lectures-15

- 5) सच्चिदानंद हीरानंद अज्ञेय - ताजमहल की छाया में
- 6) दुष्यंत कुमार - तुम्हारे पांव के नीचे कोई जमीन नहीं
- 7) केदारनाथ सिंह - विद्रोह
- 8) धूमिल - रोटी और संसद

इकाई : III

Credit-1 Lectures-15

- 9) चंद्रकांत देवताले - माँ पर लिख नहीं सकता कविता
- 10) अनामिका - कूड़ा बीनते बच्चे
- 11) निर्मला पुतुल - आदिवासी लड़कियों के बारे में
- 12) कर्वल भारती - मलाला तुम मर नहीं सकती

इकाई : IV

Credit-1 Lectures-15

व्याकरण एवं लेखन

- 1) विराम चिह्न का प्रयोग
- 2) व्यवहारिक अनुवाद
- 3) हिंदी वेबसाइट

List of Refrence Books / संदर्भ ग्रंथ सूची

- 1) डॉ नामवर सिंह - कविता के नए प्रतिमान, राजकमल प्रकाशन,नई दिल्ली
- 2) भारत भूषण अग्रवाल - हिंदी कविता का वैचारिक परिप्रेक्ष्य,विश्वविद्यालय, प्रकाशन, वाराणसी
- 3) डॉ रामदरश मिश्र - हिंदी कविता आधुनिक आयाम,वाणी प्रकाशन,नई दिल्ली
- 4) नंदकिशोर नवल - समकालीन काव्य यात्रा, किताबघर प्रकाशन, नई दिल्ली
- 5) विश्वनाथ प्रसाद तिवारी - समकालीन हिंदी कविता,राजकमल प्रकाशन,नई दिल्ली
- 6) नंददुलारे वाजपेयी - नई कविता, प्रकाशन संस्थान, नई दिल्ली
- 7) डॉ.रामानंद श्रीवास्तव - नई कविता के परिप्रेक्ष्य में, नीलाभ प्रकाशन, इलाहाबाद
- 8) मुक्तिबोध की कविता - डॉ.पद्मा पाटील, कोल्हापुर
- 9) सुमित्रानंदन पंत - डॉ नगेंद्र,राधाकृष्ण प्रकाशन, दिल्ली
- 10) डॉ.वसंत मोरे - हिंदी और उसका व्यवहार,फडके प्रकाशन,कोल्हापुर
- 11) प्रो.महादेव बासुतकर - हिंदी तथा मराठी की संरचना व्यवस्था,मिलिंद प्रकाशन,हैदराबाद

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|---------|------------------------------|-------------------------------------|
| 1. | हिंदी काव्य,व्याकरण एवं लेखन | आधुनिक हिंदी काव्य,व्याकरण एवं लेखन |

Nature of question Paper

प्रश्नपत्र का स्वरूप तथा अंक विभाजन

| | | | |
|-----------|----------------------|-----------------------|--------|
| प्रश्न 1) | बहुविकल्पी आठ प्रश्न | (पूरे पाठ्यक्रम पर) | अंक 8 |
| प्रश्न 2) | लघुत्तरी प्रश्न | (व्याकरण एवं लेखन पर) | अंक 12 |
| | | (6 में से 4) | |
| प्रश्न 3) | ससंदर्भ स्पष्टीकरण | (काव्यालोक पर) | अंक 10 |
| | | (3 में से 2) | |
| प्रश्न 4) | दीर्घोत्तरी प्रश्न | (काव्यालोक पर) | अंक 10 |

कुल अंक 40

**PUNYASHLOK AHILYADEVI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**



Name of the Faculty: **Humanities**

Syllabus: **SOCIOLOGY** [CBCS Pattern]

Name of the Course: **B.A-II** [Sem-III]

Title of the paper: **Indian Society Structure and Change.**
Sociology Paper- III

And

Title of the paper: **Social Problems in India**
Sociology Paper- IV

With effect from June-2020

Title of the Course/Paper

B. A. part-II

SOCIOLOGY Paper No-III Semester –III

Title of the Paper: **Indian Society Structure and Change.**

w.e.f. June 2020

[Credits: Theory-(40)

Practicals- (10)]

Objective of the Course:

1. To introduce the Sociological concepts to the students.
2. To acknowledge about the changing nature of Indian society.
3. To create social understanding in students.

(Total Theory Lectures-60)

Unit no: 1

(No. of Lectures-15)

Title of the Unit: **The Formation of Indian Society.**

- A) Ancient Period.
- B) Medieval Period
- C) Post Independence Period.

UnitNo.2

Title of the Unit: **Theories of Social Change**

- A) Theory of Evolution
- B) Theory of Cultural Lag
- C) Conflict Theory

(No. of Lectures-15)

Unit No. 3

(No. of lectures 15)

Title of the Unit: **Major Segments of Indian Society**

- A) Tribal Society: Meaning, characteristics and changes
- B) Rural Society: Meaning, characteristics and changes
- C) Urban Society: Meaning, characteristics and changes.

Unit No.4

(No. of lectures 15)

Title of the Unit : **Dynamics of Social institutions**

- A) Caste system : Characteristics and changing nature.
- B) Class : Characteristics and changing nature.
- C) C)Joint family : Characteristics and changing nature

Books Recommended:

1. Ahuja, Ram: Indian Social system. Rawat publication Jaipur, 1984
2. Bose, N.K.: Culture and Society in India. Asian publishing house Mumbai, 1967
3. Desai, A.R. Rural Sociology in India. Popular, Mumbai, 1994(Re-print).
4. Desai, A.R., Social Background of Indian Nationalism,. Popular Prakashan 1987.
5. Dube, S.C: Society in Indi. National book trust New Delhi, 1990
6. Dube, S.C.: India's Changing villages. Routledge and Kegan Paul, London, 1958
7. Gadwal A. A. : An Introduction to Social Anthropology Ascent Pub. Solapur.
8. Gadwal and Manik Mane : Adivasinch Samajik Jeewan; Suvidya Prakashan Nagpur.
9. Khandagale Chandarakant: BharatiyaSamaj: RachanaAaniPariwartan, Sangli, 2006 (Marathi).
10. Kulkarni M G. :BhartiyaSamajvyawashtha. ParimalPrakashan, Aurangabad. (Marathi)
11. Karve, Iravati, Hindu Society: An interpretation, Poona: Deccan college, 1961
12. Mandelbaum, David: Society in India. Popular publication, 1970
13. Marulkar and Kondekar – BharatiyaSamaj :SourachanavaParivartan, PhadakePrakashan, Kolhapur. (Marathi)
14. NaliniPandit: JagatikikaranAani Bharat (Marathi), LokwangmayaGruh, Mumbai, 2001.
15. R.J.Lote: AadiwasiSamajacheSamajshastra, PimpalpurePrakashan, Nagpur.
16. Srinivas, M.N.: India: Social structure. Hindustan publishing corporation, New Delhi, 1980
17. Srinivas, M.N.: Social change in modern India. University press, California, 1963
18. P.R.Deshmukh: SindhuSanskriti (In Marathi) PradnyaPathashala, Wai, 1966.

B. A. part-II

SOCIOLOGY Paper No-IV Semester –III

Title of the paper: Social Problems in India.

w.e.f. June 2020

[Credits: Theory-(40)

Practicals-(10)]

Objective of the Course:

1. To introduce the Sociological concepts to the students.
2. To acknowledge the student about different social issues and problems.
3. To create social understanding in students.

Total Theory Lectures-(60)

(No. of Lectures-15)

Unit no: 1

Title of the Unit: :Social Problems

- A) Meaning and Definition.
- B) Approaches to Social Problems
- C) Causes and remedial measures.

Unit no: 2

(No. of Lectures-15)

Title of the Unit: Poverty and Unemployment

- A) Meaning and Types.
- B) Causes.
- C) Consequences.
- D) Remedial Measures.

Unit No. 3:

(No. of Lecture 15).

Title of the Unit: :Drug Addiction

- A) Nature and Types.
- B) Causes.
- C) Consequences.
- D) Remedial Measures.

Unit No. 4:

(No. of Lecture 15).

Title of the Unit : **Prostitution and AIDS**

- A) Concept and Nature.
- B) Causes.
- C) Consequences.
- D) Remedial measures.

Books Recommended:

1. DubeLeela: 1997 .Women and Kinship. Comparative Perspective on Gender in South and Southeast Asia. New Delhi: Sage Publications.
2. Gill, S.S. 1998. The Pathology of corruption. New Delhi: Harper Collin publishers.
3. Dandekar and Rath : Poverty in India
4. Mamoria C.B.: Social problems and Social problems
5. Madan C.R. Indian Social Problems
6. Ram Ahuja : Social Problems in India . Rawat Publication, Jaipur.
7. Kondekar A.Y.: BhartatilAjachyaSamajikSamasya, Phadkeprakashan Kolhapur 1998
8. Kondekar A Y , Marulkar Vijay: भारतातील सामाजिक समस्या, फडके प्रकाशन २००८
9. Bardan, P. 1984 Land labour and rural Poverty, New Delhi OUP
10. Ministry of Home Affairs. 1998 Crime In India. New Delhi: Govt. of India
11. Sharma S.L. 1997 towards Sustainable Development in India, Jaipur:Rawat Publication
12. Bettle, Andre 1974 Social Inequality, New Delhi :OUP
13. Khadase B.K. BharatatilSamajik Samasya.,1999(Reprint),Nagpur: MangeshPrakashan

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Semester | | Name of the New Paper |
|---------|-------------------------------------|-----------|-----------|-------------------------------------|
| | | III | III | |
| 1) | Indian Society Structure and Change | Paper-III | Paper-III | Indian Society Structure and Change |
| 2) | Social Problems in India | Paper-IV | Paper-IV | Social Problems in India |

Nature of Question Paper (New Pattern 2020)

Total Marks 40

Time 2 hours

Question No.1 : Multiple choice questions.

Marks. 08.

Question No.2 : Write Answer on any four of the following :

12

Question No.3 : One broad question

10

Question No.4 : One broad question

10

**PUNYASHLOK AHILYADEVI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**



Name of the Faculty: Humanities

Syllabus: SOCIOLOGY CBCS Pattern

Name of the Course: B.A-II Sem- IV

**Title of the Paper: Indian Society Structure and Change.
Sociology paper-V**

And

**Title of the Paper: Social Problems in India.
Sociology Paper- VI**

With effect from June-2020

Title of the Course/Paper

B. A. part-II Semester –IV CBCS Pattern

SOCIOLOGY Paper No-V

Title of the Paper: **Indian Society Structure and Change.**

w.e.f. June2020

[Credits: Theory-(40)

Practicals-(10)]

Objective of the Course:

1. To introduce the Sociological concepts to the students.
2. To acknowledge the student about the changing nature of Indian society.
3. To create social understanding in society

(Total Theory Lectures-60)

Unit no: 1

(No. of Lectures-15)

Title of the Unit: **Changing Status of Women in India.**

- A) Ancient Period
- B) Medieval Period
- B) British Period.
- C) Post Independence Period.

Unit no: 2

(No. of Lectures-15)

Title of the Unit : **Process of Social Change in India**

- A) Sanskritization : Concept and Process
- B) Westernization : Concept and Process
- C) Modernization : Concept and Process

Unit No. 3

(No. of lectures 15)

Title of the Unit: **Impact of Globalization on Indian Society**

- A) Liberalization (L) : Concept and Nature
- B) Privatization (P) : Concept and Nature

Unit No.4

(No. of lectures 15)

Title of the Unit : **National Integration**

- A) Meaning and definition
- B) Unity and Diversity
- C) Factors affecting on National Integration
- D) Remedial Measures on National Integration

Books Recommended:

1. Ahuja, Ram: Indian Social system. Rawat publication Jaipur, 1984
2. Bose, N.K.: Culture and Society in India. Asian publishing house Mumbai, 1967
3. Desai, A.R. Rural Sociology in India. Popular, Mumbai, 1994(Re-print).
4. Desai, A.R., Social Background of Indian Nationalism,. Popular Prakashan 1987.
5. Dube, S.C: Society in Indi. National book trust New Delhi, 1990
6. Dube, S.C.: India's Changing villages. Routledge and Kegan Paul, London, 1958
7. Gadwal A. A. : An Introduction to Social Anthropology Ascent Pub. Solapur.
8. Gadwal and Manik Mane : Adivasinch Samajik Jeewan; Suvidya Prakashan Nagpur.
9. Khandagale Chandarakant: BharatiyaSamaj: RachanaAaniPariwartan, Sangli, 2006 (Marathi).
10. Kulkarni M G. :BhartiyaSamajyavashtha. ParimalPrakashan, Aurangabad. (Marathi)
11. Karve, Iravati, Hindu Society: An interpretation, Poona: Deccan college, 1961
12. Mandelbaum, David: Society in India. Popular publication, 1970
13. Marulkar and Kondekar – BharatiyaSamaj :SourachanavaParivartan, PhadakePrakashan, Kolhapur. (Marathi)
14. NaliniPandit: JagatikikaranAani Bharat (Marathi), LokwangmayaGruh, Mumbai, 2001.
15. R.J.Lote: AadiwasiSamajacheSamajshastra, PimpalpurePrakashan, Nagpur.
16. Srinivas, M.N.: India: Social structure. Hindustan publishing corporation, New Delhi, 1980
17. Srinivas, M.N.: Social change in modern India. University press, California, 1963
18. P.R.Deshmukh: SindhuSanskriti (In Marathi) PradnyaPathashala, Wai, 1966.

Title of the Course/Paper

B. A. part-II CBCS pattern

SOCIOLOGY Paper No-VI Semester –IV

Title of the Paper: **Social Problems in India.**

w.e.f. June 2020

[Credits: Theory-(40)

Practicals-(10)]

Objective of the Course:

1. To introduce the Sociological concepts to the students.
2. To acknowledge the student about social issues and social problems.
3. To create social understanding in students.

Total Theory Lectures- (60)

Unit no: 1

(No. of Lectures-15)

Title of the Unit: **Crime**

- A) Concept and Theories of Crime.
- B) Types of Crimes and Criminals.

Unit no: 2

(No. of Lectures-15)

Title of the Unit: **Corruption.**

- A) Meaning and Causes
- B) Fields of Corruption.
- C) Remedial Measures

Unit No. 3:

(No. of Lecture 15).

Title of the Unit: **:Violence against Women.**

- A) Female foeticide
- B) Dowry Death.
- C) Rape
- D) Sexual harassment at workplace.

Unit No. 4:

(No. of Lecture 15).

Title of the Unit: **Terrorism and Naxalism**

A) Meaning and Causes.

B) Consequences

C) Remedial measures.

Books Recommended

1. DubeLeela: 1997 .Women and Kinship. Comparative Perspective on Gender in South and Southeast Asia. New Delhi: Sage Publications.
2. Gill, S.S. 1998. The Pathology of corruption. New Delhi: Harper Collin publishers.
3. Dandekar and Rath : Poverty in India
4. Mamoria C.B.: Social problems and Social problems
5. Madan C.R. Indian Social Problems
6. Ram Ahuja : Social Problems in India . Rawat Publication, Jaipur.
7. Kondekar A.Y.: BhartatilAjachyaSamajikSamasya, Phadkeprakashan Kolhapur 1998
8. Kondekar A Y , Marulkar Vijay: भारतातील सामाजिक समस्या, फडके प्रकाशन २००८
9. Bardan, P. 1984 Land labour and rural Poverty, New Delhi OUP
10. Ministry of Home Affairs. 1998 Crime In India. New Delhi: Govt. of India
11. Sharma S.L. 1997 towards Sustainable Development in India, Jaipur:Rawat Publication
12. Bettle, Andre 1974 Social Inequality, New Delhi :OUP
13. Khadase B.K. BharatatilSamajik Samasya.,1999(Reprint),Nagpur: MangeshPrakashan

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Semester | | Name of the New Paper |
|---------|-------------------------------------|----------|----------|-------------------------------------|
| | | IV | IV | |
| 1) | Indian Society Structure and Change | Paper-V | Paper-V | Indian Society Structure and Change |
| 2) | Social Problems in India | Paper-VI | Paper-VI | Social Problems in India |

Nature of Question Paper (New Pattern 2020)

Total Marks 40

Time 2 hours

- Question No.1 : Multiple choice questions. Marks. 08.
- Question No.2 : Write Answer on any four of the following : 12
- Question No.3 : One broad question 10
- Question No.4 : One broad question 10

**PUNYASHLOK AHILYADEVII HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**



**Name of the Faculty
Humanities (Sociology)
Syllabus**

B.A II [IDS] CBCS pattern

Title of the Paper: **SOCIAL ECOLOGY**
Sem- III and Sem - IV

With effect from June-2020.

Objective of the Course:

1. To make student aware about environment its importance for the cultural environment.
2. Educating the student for environment preservation and succession.
3. To make the individual and community to participate and contribute for the work and movements of environmental protection.

Title of the Paper: **Social Ecology**

IDS [CBCS pattern]

B.A- II Sem- III

Theory-(40)

Practicals-(10)]

w.e.f. June 2020

Total Theory Lectures- (60)

Unit No. 1. The concept of Ecology.

(No. of Lectures 15)

- A) Meaning and definition.
- B) Scope.
- C) Significance.

Unit no: 2

(No. of Lectures 15)

Title of the Unit : **The concept of Ecosystem.**

- A) Components of Ecosystem
- B) Ecological succession.
- C) Flow of energy.
- D) Nutrient cycle.

Unit No.3. **Forestry.**

(Total No. lectures 15)

- A) Forest, Rain and Nutrient circulation in forest.
- B) Causes and consequences of Deforestation.
- C) Remedies on Deforestation.

Unit No.4 **Environmental Ethics.**

(Total No. lectures 15)

- A) The need of Gender Equity.
- B) Preserving Resources for future generation.
- C) Rights of Animals.

Title of the Paper: **Social Ecology**

IDS CBCS pattern

B.A- II Sem- IV

w.e.f. June2020

Theory-(40)

Practicals-(10)]

Total Theory Lectures- (60)

Unit No. 1 :Environmental Issues. (Total No. of lectures 15)

- A) Air pollution: Causes, Effects and Remedial Measures.
- B) Water pollution: Causes, Effects and Remedial Measures.
- C) Noise pollution : Causes, Effects and Remedial Measures.

Unit NO.2 : Global Warming. (Total No. of lectures 15)

- A) Meaning and Definition.
- B) Causes.
- C) Remedial Measures.

Unit No.3 : Sustainable Development. (Total No. of lectures 15)

- A) Concept of sustainable development.
- B) Need for sustainable development for improving quality of life for present and future.
- C) Role of Individual and Community.

Unit No.4 : Environmental Movement and Protection. (Total No. of lectures 15)

A) Nature of Environmental movements.

B) Protection of Environment.

C) Chipko movement, Narmada bachao movement and Water conservation movement.

Books Recommended.

1. Aahirrao, Awte and others: Paryawaran Vidnyan.

Nirali Prakashan Pune.(Marathi)

2. Dev Rao : Ecology. S.Chand company New Delhi.

3. Dr.Sangve Vilas : Samashastra. Popular prakashan Mumbai.

4. Dubey R.M. : Human Ecology and Environmental Education.

Chugh publication New Delhi.

5. H.S.Mathur and R.B. Singh : Trends in Ecological Geography.

Pointer Publisher .Jaipur.

6. Kormondey.E.J. : Concept of Ecology.Prentice Hall New Delhi.

7. Magar vijay Kumar : ParyawaranParichaya.(Marathi)

8. Mukherji Radhakamal : A Study in Social Ecology. Popular prakashan Mumbai.

9. Odum E.P. : Ecology. Amerind publishing co.New Delhi.

10.Smith Leo Robert : The Ecology of Man and Ecosystem Approach
Harper and Row publication Belmont.

11.Southwick C.H. : Ecology and Quality of our Environment.
New York NastrandCo.

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|----------------|-------------------------------|-------------------------------|
| 1) | Social Ecology IDS Sem-III | Social Ecology IDS Sem-III |
| 2) | Social Ecology IDS Sem-IV | Social Ecology IDS Sem-IV |
| 3) | | |
| 4) | | |
| 5) | | |

Nature of Question Paper

Marks 40

Time:02 hours

Question No. 1: Multiple Choice Questions:

Marks. 8

Question No.4: Write Answer on any Four of the following: 12.

Question No. 3: Broad Question (one) 10

Question No. 4: Broad Question (one) 10.

**PUNYASHLOK AHILYADEVI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**



**Name of the Faculty
Humanities (Sociology)
Syllabus**

B.A II [IDS] CBCS pattern

Title of the paper: **RURAL DEVELOPMENT
Sem - III and Sem - IV**

With effect from June-2020.

Objectives:

1. To introduce rural society to the student of Sociology and other social sciences.
2. To acknowledge the student about rural social change and rural social problems.
3. To enlighten the student about the role of individual, community and government for rural planning and rural development.

B.A-II

Title of the paper: **Rural Development (I. D.S.)**

IDS CBCS pattern

B.A- II Sem- III

w.e.f.June2020

Theory-(40)

Practicals-(10)]

Total Theory Lectures- (60)

Unit No.1: Concept of Rural Development. (Total No. of lectures 15)

A) Nature.

B) Objectives.

C) Characteristics.

Unit No.2: Rural Reconstruction. (Total No. of lectures 15)

A) Community Development Programmes.

B) Land Reforms.

C)Reconstructions of Agriculture.

Unit No.3 Role of Social Reformers in Rural Development. (lectures 15)

A) Mahatma Gandhi : Supplementary occupations.

B) Mahatma Phule : Agricultural Thoughts.

C) Vinoba Bhave : Bhoodan Movement.

Unit No.4 : Concept of Panchayat Raj. (lectures 15)

A) Gram Panchayat : Structure and function.

B) Panchayat Samiti : Structure and function.

C) Zilla Parishad : Structure and function.

B.A-II

Title of the paper: **Rural Development (I. D.S.)**

IDS CBCS pattern

B.A- II Sem- IV

w.e.f. June. 2020

Theory-(40)

Practicals-(10)]

Total Theory Lectures- (60)

Unit No.1 : Women in the process of Rural Development. (lectures 15)

- A) Women in Social, Political and Economic fields.
- B) Programmes for women's welfare and development.
- C) Women's contribution for Rural Development.

Unit No. 2 :Co-operative Movement. (lectures 15)

- A) Rise and Development.
- B) Merits and Demerits.
- C) Evaluation of co-operative movements.

Unit No.3: Working of rural Development Programmes. (lectures 15)

- A) Agriculture and Allied occupations.
- B) Rural professions.
- C) Sugary Industry.

Unit No.4: Globalization and its Impact Agriculture. (lectures 15)

- A) Meaning and scope.
- B) Advantages and disadvantages.
- C) Evaluation.

Books Recommended.

1. Bobade P.S. : Aarthik Vikas wa Samajik Chalwal.
2. Chandrashekar Lakhe : Samudaik Vikas wa Wistar Shikshan.
3. Chunchade wa Patil. : Gramin Samajshastra.
4. Desai A. R. : Rural India in Traditions.
5. Desai A.S. and Jain : Rural Sociology.
6. Ghatole R. N. : Gramin Samaj wa Samajik Wikas.
7. Gurunath Nadgonde : Gramin Samajshastra.
8. Gilbert E. : India's Changing Rural Scene.
9. Tijare B. B. : Samudaik Wikas wa Vistar Shikshan.

Equivalent Subject for Old Syllabus

| Sr. No. | Name of the Old Paper | Name of the New Paper |
|---------|----------------------------------|----------------------------------|
| 1) | Rural Development IDS Sem-III | Rural Development IDS Sem-III |
| 2) | Rural Development IDS Sem-IV | Rural Development IDS Sem-IV |
| 3) | | |
| 4) | | |
| 5) | | |

Nature of Question Paper

w.e.f.June-2020

Marks 40

Time:02 hours

Question No. 1: Multiple Choice Questions: Marks. 8

Question No.4: Write Answer on any Four of the following: 12.

Question No. 3: Broad Question (one) 10

Question No. 4: Broad Question (one) 10.