

# Credit Based VI SEMESTER B.A. Degree

## Papers offered for study

Sl.No	Course Subjects	Course code	No. Of hrs per week	Marks		Max Marks
				IA	Theory	
1	<b>Ancient History and Archaeology</b> (Indian Epigraphy)	BASARC351	5	30	120	150
2	<b>Ancient History and Archaeology</b> (Indian Numismatics)	BASARC352	5	30	120	150
3	<b>Co- operation</b> (Co-Operative Management)  OR <b>Sociology</b> (Sociological Thought)	BASCPC353	5	30	120	150
	BASSOC353					
4	<b>Co- operation</b> (Accounts, Audit & Supervision)  OR <b>Sociology</b> (Gender Dynamics)	BASCPC354	5	30	120	150
	BASSOC354					
5	<b>Economics</b> (Indian Economics)	BASECC355	5	30	120	150
6	<b>Economics</b> (Environmental Economics)	BASECC358	5	30	120	150

**Credit Based VI Semester B.A. Degree**  
**(Common to all Batches)**  
**Course: Ancient History & Archaeology**  
**Course Paper: Indian Epigraphy**  
**Number of Modules: 08**  
**[5 hours per week. Max. Marks: 150]**

**Objectives of the Course:**

- To study the nature and scope of Epigraphy in India.
- To understand the development of Epigraphy study in India & Karnataka.
- To study the Indian inscriptions their nature, script, language technique
- To study the chronology Dates in Indian Ears and writing Antiquity
- To study the Indus, Brahmi, Kharosthi, scripts has the Evolution
- To study the various types of the inscriptions

**Module I: Definition of the Epigraphy (5 hours)**

Nature, Scope, Methods of study –Importance of the Palaeography

**Course Outcome:**

1. Write a note on Scope, Nature & importance of Epigraphy in India
2. Write a short note on Palaeography

**Module II: Development of Epigraphy studies (10 hours)**

Development of Epigraphy studies in India and Karnataka

**Course Outcome:**

1. Explain the Development of Epigraphy studies in India
2. Explain the Development of Epigraphy studies in Karnataka
3. Write a short on Development of Epigraphy studies in Modern period

**Module III: - Indian Inscriptions (5 hours)**

**Course Outcome:**

1. Briefly explain the Indian Inscription their nature and classification.
2. Write a short note on Format of the inscription
3. Explain the various coins Techniques used in writing Inscriptions
4. Write a short note on Spurious Epigraphy

**Module IV: Chronology (5hours)**

Dates in Inscriptions, Indian Ears.

**Course Outcome:**

1. Explain the study of the Chorology Dating in Inscriptions
2. Write a short note on Shaka Ears
3. Write a short note on Hijri Ears

**Module V: Origin and Antiquity of writing in India (5hours)**

Antiquity of writing in Epigraphic age in India

**Course Outcome:**

4. Write a note on Antiquity Writing in India
5. Explain Origin works has their Ashokan Inscriptions
6. Write short note on historical importance of Jain and Buddhist literature works

**Module VI: Early Indian Scripts (5hours)**

1. Indus- Brahmi- Kharosthi
2. Explain the study of various scripts of the Inscriptions
3. Write note on study to importance of the Brahmi Scripts
4. Write a short note on Kharosthi Scripts

**Module VII: Derivation of Indian scripts from Brahmi(5hours)**

Evolution of Kannada script

**Course Outcome:**

1. Explain the study to Evolution of Brahmi Scripts
2. Write note on Kadamba and Ganga Scripts
3. Write a short on Vijayanagara Scripts

**Module VIII: Study of Inscriptions (10hours)**

1. XIII Rock Edict of Asoka
2. Allahabad Pillar Inscription of Samudragupta.
3. Halmidi Inscription
4. Belmannu Copper Plate Inscription
5. Uttaramerur Inscription
6. Barakuru Inscription of Devaraja II-1430.

**Course outcome:**

1. Explain the study to XIII Rock Edict of Asoka
2. Write a note on Allahabad Pillar Inscription of Samudragupta
3. Write note on Halmidi Inscription.
4. Explain the study to Belmannu Copper Plate Inscription
5. Write note on Uttaramerur Inscription
6. Explain the study to Barkuru Inscription of Devaraja II

**Books for Reference:**

1. Indian Epigraphy-Ramesh K.V.
2. Indian Epigraphy- Sircar D.C.
3. Text Book of Indian Epigraphy-Sathyamurthy K.
4. Indian Paleography-Buhler
5. Shasana Parichaya-Shesha Shastry
6. Selected Kannada Inscription-Bhatt M.M

**Student Evaluation Components:**

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests & assignment	20% (30 marks)
2.	University Examination of 3 hours duration. Question paper pattern: There will be three parts. Part A – Answer any three questions of 16 marks each out of five questions. Part B - Answer any six questions of 08 marks each out of eight questions. Part C – Answer any Three questions of four out of Five questions Part C – Answer all the four questions of three marks each	80% (120 marks)

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Code: BASARC352

**Credit Based VI Semester B.A. Degree  
(Common to all Batches)**

**Course : Ancient History & Archaeology**

**Course Paper: Indian Numismatics**

**Number of Modules: 03**

**[6 hours per week. Max. Marks: 150]**

**Objectives of the Course:**

1. To study the nature and scope of Numismatics in India.
2. To understand the development of Numismatics study in India & Karnataka.
3. To study the various aspects of Indian Currency system.
4. To study the various types of the coins of Indian Dynasties.

**Module I: Indian Numismatics (20 hours)**

1. Meaning, Nature, Scope- Importance of Numismatics
2. Development of Numismatics studies in India & Karnataka
3. Antiquity of Coinage in India
4. Technology of Minting Coins in India

**Course Outcome:**

3. Write a note on meaning , scope & importance of Numismatic in India
4. Explain the development of Numismatic studies in India
5. Write a short note on Development of Numismatics studies in Karnataka
6. Write short note on Antiquity of coinage in India
7. Explain the various Techniques used minting coins in Ancient India

**Module II: Study of Coins (15 hours)**

1. Metals, Size & Shape, Weight, Standards, Denominations, Symbols & Portraits, Legends.
2. Punch Mark Coins
3. Kushana Coins
4. Roman Coins in India
5. Guptha Coins

**P.T.O.**

**Course Outcome:**

1. Write a short note on various metals, shape, size, & Weight standard of various ancient India coins.
2. Write a short note on Punch Mark Coins.
3. Write a short note on Roman coins in India
4. Explain the various types of Gupta Coins in India

**Module III: - Study of South Indian Coins (15 hours)**

1. Alupa, Chalukya, Hoysala coins
2. Chola coins
3. Vijaynagara Coins
4. Mughal coins
5. Coins of Hyder Ali, Tippu Sultan & Wodeyars

**Course Outcome:**

5. Briefly explain the coins of Alupa Dynasty
6. Write a short note on Chola Coins
7. Explain the various coins of Vijayanaga Empire
8. Write a short note on Mughal Coins
9. Write a short note on Tippu Sultan
10. Write a short note on coins of Wodeyars.

**Books for Reference:**

7. Ancient Indian Numismatics by S.K.Chakrabarti
8. Indian Numismatics by D.D .Kosambi
9. Coins & currency System in Karnataka by A.V .Narasimha Moorthy
10. Indian Coin Heritage by A.V.Narasimha Moorthy
11. Coin by P.L Guptha
12. Coins & Currency System of South India by B. Chattopadhyaya

**Student Evaluation Components:**

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests & assignment	20% (30 marks)
2.	University Examination of 3 hours duration. Question paper pattern: There will be three parts. Part A – Answer any three questions of 16 marks each out of five questions. Part B - Answer any six questions of 08 marks each out of eight questions. Part C – Answer any Three questions of four out of Five questions Part C – Answer all the four questions of three marks each	80% (120 marks)

**Credit Based VI Semester B.A. Degree**  
**(Common to all Batches)**  
**Course: Co-operation**  
**Course Paper VII: Co-operative Management**  
**Number of Modules: 05**  
**[6 hours per week. Max. Marks: 150]**

**Objectives of the Course:**

- To understand the meaning, definition, principles and functions of management
- To analyse the role of planning and organisation in co-operatives.
- To study the Staffing, leadership and motivation in co-operatives.
- To examine the delegation of authority and office organisation in co-operatives.
- To learn about the Communication –features –importance and problems.
- To discuss about the register of co-operative societies and his role in co-operative management.

**MODULE 1**

Management –meaning –definition –principles and functions of management.  
Co-operative management –definition –main features –objectives Application of scientific principles to the co-operative management.

**Course outcome:**

1. Define co-operative management. Explain its features and importance.
2. Explain the principles and functions of management.

**MODULE II**

Planning –meaning and definition –objectives and importance –steps in planning –fore casting – planning function in co-operatives.  
Organization -meaning –definition –steps –importance of organisation.  
Delegation of authority –importance –features and steps –delegation of authority in co-operatives. Office organisations –important aspects of office organization – problems of office organisation in co-operatives.

**Course outcome:**

1. What is planning? Explain its importance, advantages and elements.
2. Write a note on objectives of co-operative planning.
3. Define organisation. Explain the structure of organisation.
4. Explain the principles, features and elements of delegation of authority.
5. Discuss the important steps involved in organising process.
6. State the problems of office organisation in co-operatives.
7. Explain the features of forecasting.
8. Write a note on line organisation.

### MODULE III

Staffing, leadership and motivation.

#### Course outcome:

1. Explain the principles and process of staffing.
2. Examine the functions of co-operative leadership.
3. Define motivation. Explain its benefits and features.

### MODULE IV

Communication –features –importance and problems.

#### Course outcome:

1. Explain the features of effective communication.

### MODULE V

Registrar of co-operative societies and his role in co-operative management.

#### Course outcome:

1. Explain the functions of registrar of co-operative societies.
2. Examine the registrar role in co-operative management.

#### Books for reference:

1. H.R. Mukhi – Co-operative in India & Abroad.
2. S.Nakkiran – Co-operative Management.
3. Anegundi- The Karnataka societies Act 1959 and Rules there under 1960.
4. B.S Mathur – Co-operative the India.
5. Trivedi- Co-operative law and Administration

#### Student Evaluation Components:

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests & assignment	20% (30 marks)
2.	University Examination of 3 hours duration. Question paper pattern: There will be three parts. Part A – Answer any two questions of 24 marks each out of four questions. Part B - Answer any four questions of 12 marks each out of six questions. Part C - Answer any four questions of 06 marks each out of six questions	80% (120 marks)

Code: BASSOC353

**Credit Based VI Semester B.A. Degree  
(Common to all Batches)  
Course: sociology  
Sociological Thought  
Number of Modules: 06  
[6 hours per week. Max. Marks: 150]**

**Objectives of the Course:**

- To study the various Sociological Theories.
- To study the contributions of August Comte.
- To discuss the contributions of Herbert Spencer.
- To study the contributions of Emile Durkheim.
- To study the contributions of Max Weber.
- To study the contributions of Karl Marx.

**Module I: Sociological Thought and Theories (10 hours)**

Sociological Thought; Meaning, Transition from Social Philosophy to Sociology, Sociological Theories: Meaning and Characteristics.

**Course Outcome:**

1. What is Sociological Thought? Explain its Transition from Social philosophy to Sociology.
2. What is Sociological Theory? Explain its Characteristics.

**Module II: August Comte (10 hours)**

**Biographical Sketch, Law of three stages of human development, Hierarchy of Sciences, Social statics and Social Dynamics, Religion of Humanity.**

**Course Outcome:**

1. Explain the Biographical sketch of August comet.
2. Describe the Law of Three stages of Human development.
3. Explain the comets contributions of Hierarchy of Sciences.
4. Explain the concept of Social Statics and social Dynamics.
5. Describe the Comte Contributions of Religion of Humanity.

**Module III: Herbert Spencer (10 hours)**

Biographical Sketch , Doctrine of Social Evolution, Organic analogy of Society.

**Course Outcome:**

1. Explain the Biographical sketch of Herbert Spencer.
2. Describe the Spencer contribution of Social Evolution.
3. Explain the Spencer contribution of Organic Analogy of society.

**P.T.O.**



**Module IV: Emile Durkheim****(10 hours)**

Biographical Sketch Social Facts, the Division of Labour in Society, Mechanical and Organic Solidarity, Suicide and its Types, Religion.

**Course Outcome:**

1. Explain the Biographical Sketch of Emile Durkheim.
2. Describe the Durkheim contribution of Social Facts.
3. Examine the Durkheim contribution of Division of Labour in Society.
4. Examine the Durkheim contribution of Mechanical and Organic Solidarity.
5. What is Suicide? Explain its Types.
6. Explain Durkheim contribution of Religion.

**Module V: Max Weber****(10 hours)**

Biographical Sketch, Social Action, and its Types of Social Action, Authority and its Types, Protestant Ethic and Spirit of Capitalism. Bureaucracy, Ideal Types.

**Course Outcome:**

1. Explain the Biographical Sketch of Max Weber.
2. Describe the Weber contribution of Social Action.
3. What is Authority? Explain its Types.
4. Explain the Weber contribution of Protestant Ethic and Spirit of Capitalism.
5. Examine the Weber contribution of Bureaucracy.
6. Discuss the Weber contribution of Ideal Types.

**Books for Reference:**

1. Cosier, Lewis A: Masters of Sociological Thought.
1. 2. Damle C. B and Paisa Richard: Sociological Thought
2. Fredric, Robert: Sociology of Sociology.
3. Irwin M Zither: Rethinking Sociology.
4. Raymond Aaron: Main Currents in Sociological Thought.
5. Ronald Fletcher: The Making of Sociology.
6. Sharma, R.N AND Sharma, R.K: History of Social Thought.
7. Damle C.B : Samaja Shastrada Pithamaharu.

**Student Evaluation Components:**

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests & assignment	20% (30 marks)
2.	University Examination of 3 hours duration. Question paper pattern: There will be three parts. Part A – Answer the following Questions in 2-3 sentences each. Part B - Answer any five Questions of 08 marks each out of seven questions. Part C - Answer any four questions of 15 marks each out of six questions	80% (120 marks)

Code: BASPC354

**Credit Based VI Semester B.A. Degree  
(Common to all Batches)  
Course: Co-operation  
Course paper: Accounts, Audit and Supervision  
Number of Modules: 04  
(5 hours per week. Max Marks: 120)**

**Objectives of the Course:**

- To have a knowledge about the preparation of the final accounts
- To identify with the books and registers maintained by the Co-operative Society
- To understand the meaning of Audit and Supervision

**Module-1: Final Accounts:**

**10 Hours**

Preparation of final Accounts-Trading Account, Profit and loss Account and Balance Sheet.

**Course Outcome:**

1. Problems on preparation of Trading, Profit and Loss Account and Balance Sheet

**Module-2 : Bank Reconciliation Statement**

**10 Hours**

Meaning and methods of preparation, Problems

**Courses Outcome:**

1. Problems on Bank Reconciliation Statement.
2. What is Bank reconciliation Statement? Explain the causes of differences between bank balance as per cash book and pass book.

**Module-3: Accounting System in Co-operatives**

**10 Hours**

Day Book-Kinds of day book, Purpose of using different columns, Preparation of day book

**Courses Outcome:**

1. What is Day Book? Explain the different types of day book.
2. Problems on Preparation of Day Book.

**Module-4 Books and Registers maintained:**

**10 Hours**

By DCC bank, C.A. bank, PACS, Other Co-operative banks, Distribution of profits in Co-operatives and creation of reserves-Reserve Fund, Sinking Fund, Co-operative Education Fund etc..

**P.T.O.**

**Courses Outcome:**

1. Explain the different books and registers maintained by Co-operative Banks.
2. Explain the distribution of profits in Co-operatives and creation of reserves.

**Module-5 Audit:****10 Hours**

Meaning, definition and objectives - Co-operative Audit-Objectives and features of co-operative Audit, Difference between co-operative audit and Company Audit-Audit Programme. Supervision-Meaning and different agencies of supervision-weaknesses of Supervisory Agencies –Suggestions

**Courses Outcome:**

1. What is Audit? Explain the objectives of Audit.
2. Distinguish between Co-operative Audit and Company Audit.
3. What is Co-operative Audit? Explain the features of Co-operative Audit.

**Reference Books: .**

1. Accountancy : B.S.RAMAN
2. A Treatise on co-operative Account keeping P. Manickvasagam
3. Co-operative Account Keeping O.R. Krishnaswamy

**Student Evaluation Components:**

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests & assignment	20% (30 marks)
2.	University Examination of 3 hours duration. Question paper pattern: There will be three parts. Part A – Answer any two questions of 24 marks each out of four questions. Part B - Answer any four questions of 12 marks each out of six questions. Part C – Compulsory question of 24 Marks	80% (120 marks)

Code: BASSOC354

**Credit Based VI Semester B.A. Degree**  
**(Common to all Batches)**  
**Course: Sociology**  
**Gender Dynamics.**  
**Number of Modules: 06**  
**[6 Hours per week. Max.Marks:150]**

**Objectives of the Course:**

- To understand the concept of Gender.
- To study the Basic concepts of Gender study.
- To study the Status of women in various period and Religion.
- To understand the Role of Women in Family, Economy and Education.
- To understand the various Theory of Feminism.
- To know the Gender issues in Modern India.
- To study about Policies of Women Empowerment.

**MODULE I: Basic Concept**

**10 hours**

Meaning and Definitions of Sex, Gender, Gender Inequality, Gender Differences', Gender Justice, Development of Gender studies and its Importance.

**Course Outcome:**

1. Distinguish between Sex and Gender.
2. Explain the concept of Gender and Inequality.
3. Explain the Process of Gender Difference.
4. Describe the concept of Gender Justice.
5. Briefly explain the Importance of Gender studies.

**MODULE II: Status of Women in Indian Society.**

**10 hours**

Status of Women in India through the Ages -Ancient and Modern, Status of Women in Different religions.-Hinduism, Islam and Christianity.

**Course Outcome:**

1. Explain the Status of Women in Ancient Period.
2. Explain the Status of Women in Modern Period.
3. Describe the Status of Women in Hinduism.
4. Examine the Status of Women in Islam and Christianity.

**MODULE III: Women and Social Institutions.**

**10 hours**

Women in the Family –Changing role of the Women in Family ,Women in the Economy-Women contribution to Economy, Women in Education-Women's access and utilisation of Education opportunities.

**Course outcome:**

1. Discuss the role of Women in Family.
2. Explain the contributions of Women to Economy.
3. Discuss the contribution of Women to Education.

**P.T.O.**

**MODULE IV: Feminist Theories 10 hours**

Concept of Feminism, Theories of Feminism.

**Course outcome:**

1. Explain the Concept of Feminism.
2. Describe the various Theory of Feminism.

**MODULE V: Gender Issues in Modern India****10 hours**

Sexual Exploitation, Rape, Prostitution, Sex Abuse Kidnapping, Negative Portrayal of women in India.

**Course outcome:**

1. Explain the Concept of Sexual Exploitation and Rape.
2. Write a Note on Prostitution and Sex Abuse.
3. Discuss the Negative Portrayal of Women in India.

**MODULE VI: Policies on Women Empowerment****10 hours**

Governmental Policies and Programmes, Role of NGO.

**Course outcome:**

1. Explain the Governmental Policies and Programmes on Women Empowerment.
2. Write a note on Role of NGO on Women Empowerment.

**Books for Reference:**

1. Peer, Mohammed and Haggel : Discrimination Against Women.
2. Rao , Usha N J: Women in Developing Society.
3. Ver. Dharma and Malayan Tamales', Contemporary Indian Women.
4. Altheas: History of Women in India.
5. Paisa Richard,: Gender Dynamics.
6. Freeman Jane: Feminism.

**Student Evaluation Components:**

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests & assignment	20% (30 marks)
2.	University Examination of 3 hours duration. Question paper pattern: There will be three parts. Part A – Answer the following questions in 2-3 sentences each. Part B - Answer any five questions of 08 marks each out of seven questions. Part C - Answer any four questions of 15 marks each out of six questions	80% (120 marks)

Code: BASECC355

**Credit Based VI Semester B.A. Degree**  
**(Common to all Batches)**  
**Course: Economics**  
**Course Paper VI: Indian Economics**  
**Number of Modules: 06**  
**[6 Hours per week. Max.Marks:150]**

**Objectives of the Course:**

- To understand the nature and problems of population growth in India.
- To study the problems of Poverty and Unemployment in India.
- To study the problems of Indian Agriculture.
- To understand the problems of Indian Industries and the measures taken by the Government.
- To understand the Reforms in Tertiary Sector in India.
- To know the Centre- State Financial Relations and recommendations of the Finance Commissions

**MODULE I: Population in India**

Growth of population: Composition, size, density, sex ratio, literacy ratio, rural-urban ratio and occupational distribution, causes and consequences of population growth in India - family welfare programmes, population policy.

**Course Outcome:**

1. Indicate the trends in the growth rate of population in India.
2. What are the main causes of population growth in India?
3. Steps to check the rapid growth of population taken by the Government.
4. Critically examine the population policy of India.

**MODULE II: Poverty and Unemployment in India**

Nature and causes of poverty and unemployment - poverty alleviation and employment generation programmes: SSGSY, SJSRY, PMY, Sadak Yojana, Antyodaya Anna Yojana, Valmiki Ambedkar Avas Yojana, SHGs and women empowerment.

**Course Outcome:**

1. Explain the concept of poverty in India. State the causes of poverty and suggest remedial measures.
2. What efforts have been taken by the Government to eradicate rural poverty in India?
3. Critically examine the nature and magnitude of unemployment in India
4. What are the employment promotion programmes of the Government of India?

**MODULE III: Indian Agriculture**

Agricultural credit – sources Agricultural marketing – Existing problems of agriculture, agricultural policy, impact of globalization on Indian Agriculture

**Course outcome:**

1. Discuss the role and importance of agriculture in Indian Economy.
2. What are the main features of Indian agriculture?
3. Explain the impact of globalization on Indian agriculture.
4. Explain the problems of agricultural marketing in India.

P.T.O.

## MODULE IV: Indian Industries

Industrial policy 1991- Industrial sickness - meaning, causes and remedies -Small and medium enterprises in India -Problems and measures taken by the Government; industrial reforms in India since 1991.

### Course outcome:

1. Critically examine the main features of the new industrial policy 1991.
2. What are the causes of industrial sickness in India? What are the remedial measures taken by the government?
3. What are the problems of small and medium enterprises? State the remedial measures of the Government.
4. Explain the industrial reforms since 1991

## MODULE V: Reforms in Tertiary sector since 1991

Transport sector reforms, trade sector reforms, financial sector reforms, fiscal reforms.

### Course outcome:

1. What are the important reforms in transport sector reforms in India?
2. Write a note on trade sector reforms.
3. What are the important financial sector reforms?
4. Discuss the fiscal reforms undertaken in the country.

## MODULE VI: Centre- State financial relations

Centre- State financial relations - Recommendations of 12<sup>th</sup> and 13<sup>th</sup> finance commissions.

### Course outcome:

1. Critically examine the allocation of financial resources between the centre and the states under the Constitution of India.
2. Write a brief essay on the recommendations of the 12<sup>th</sup> and 13<sup>th</sup> finance commission.

### Books for Reference:

1. Agarwal A.N : Indian Economy
2. Alak Ghosh: Indian Economy
3. Datt & Sundaram: Indian Economy
4. Mishra& Puri: Indian Economy

### Student Evaluation Components:

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests & assignment	20% (30 marks)
2.	University Examination of 3 hours duration. Question paper pattern: There will be three parts. Part A – Answer any two questions of 24 marks each out of four questions. Part B - Answer any four questions of 12 marks each out of six questions. Part C - Answer any four questions of 06 marks each out of six questions	80% (120 marks)

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**Credit Based VI Semester B.A. Degree**  
**(Common to all Batches)**  
**Course: Economics**  
**Course Paper: Environmental Economics**  
**Number of Modules: 05**  
**[5 hours per week. Max. Marks: 150]**

**Objectives of the Course:**

1. To provide an exposure to the graduate students of economics the basics of environmental economics.
2. To study the relationship between environment and economic development.
3. To discuss the problems relating to the interaction of economic activities of society with its environment.
4. environment.
5. To find reasons and solutions to the environmental problems.
6. To study the methods of conservation of resources and sustainable development.
7. To learn about the contributions of leading environmentalists and role of peoples participation.

**Module I: Nature of Environmental Economics (12 hours)**

Meaning, scope and importance of environmental economics – relationship between environment and economic development – meaning and importance of sustainable development – significance of conservation of natural resources.

**Course Outcome:**

1. What is environmental economics? Discuss the scope and importance of environmental economics.
2. Examine the relationship between environment and economic development.
3. Define natural resources. Examine the importance of conservation of natural resources.
4. What are the objectives of sustained development? Explain the importance of sustained development.

**Module II: Pollution – Causes and Consequences (12 hours)**

Air pollution: causes and consequences. Water pollution: causes and consequences. Noise pollution: causes and consequences. Methods to control pollution.

**Course Outcome:**

1. Explain the causes and consequences of air pollution. Examine the measures to control it.
2. What is air pollution? Give an account of causes and control of air pollution.
3. Explain the causes and consequences of water pollution. Examine the measures to control water pollution.
4. Explain the causes and consequences of noise pollution. Examine the measures to control noise pollution.

**Module III: Local Environment Issues (12 hours)**

Solid waste and its management – economics of recycling – common property resources – community participation in solving environmental problems – need for environmental valuation – pollution taxes – tax on output.

**Course Outcome:**

1. Explain the sources and forms of solid wastes. Examine the measures of solid waste management.
2. What are the problems of solid wastes?
3. Explain the objectives of community participation in solving environmental problems. What are its strengths and weaknesses.
4. Examine the role of community participation in solving environmental problems.
5. Discuss the meaning, features and management of common property resources.
6. Examine the need for environmental valuation.
7. Write a note on pollution tax.



**Module IV: Global Environmental Problems****(12 hours)**

Conflict between consumerism and environment – threat to biodiversity & endangered species – global warming and acid rain – climate change – ozone layer depletion – green house effect.

**Course Outcome:**

1. What are the causes of consumerism? What are its consequences on environment?
2. What is bio-diversity? Explain the values and benefits of bio-diversity.
3. Examine the threats to bio-diversity.
4. Examine the causes and consequences of global warming.
5. Give the meaning of ozone layer depletion. Explain the causes and impact of ozone layer depletion.
6. What is green house effect? What are its negative consequences?
7. What is acid rain? What are its consequences?
8. Briefly explain the remedial measures to the problem of climate changes.

**Module V: Environmentalism in India****(12 hours)**

Leading environmentalists of India and their efforts in environment protection – people’s participation in environmental protection: environment education and awareness – role of NGO’s in environment protection – problem of potable water – rain water harvesting methods.

**Course Outcome:**

1. What are the objectives of environmental education? Give an account on status of environmental education in India.
2. Examine the status of environmental education and awareness in India.
3. Explain the role played by the NGO’s in environmental protection.
4. Explain the various methods of rain water harvesting.
5. Examine the role of people’s participation in environmental protection.
6. Discuss the contributions of Medha Patkar to environmental protection movement.
7. Write on the contributions of Sundarlal Bahuguna to environmental protection movement.
8. Analyse the contributions of Salumarada Thimmakka as a leading environmentalist of India.
9. Write a note on the achievements of Shivarama Karantha as an environmentalist.
10. Analyse the problems of potable water in India

**Books for Reference:**

1. Jason F.S. Rogren – Environmental Economics.
2. Karpagam - Environmental Economics.
3. Shankaran - Environmental Economics.
4. Rajalakshmi and Birunda - Environmental Economics.
5. Abhijith Dutta, Sunita Dutta - Environmental Economics.
6. P.N.Pandey - Environmental Economics.
7. Charles D Loistad - Environmental Economics.
8. Nellisen, Straten and Klinkers – Classics in Environmental Studies.
9. Sharma P.D. – Ecology and Environment.
10. Subramanyam & Shamba Murthy – Ecology
11. World Development Reports.

**Student Evaluation Components:**

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests & assignment	20% (30 marks)
2.	University Examination of 3 hours duration. Question paper pattern: There will be three parts. Part A – Answer any two questions of 24 marks each out of four questions. Part B - Answer any four questions of 12 marks each out of six questions. Part C - Answer any four questions of 06 marks each out of six questions	80% (120 marks)

