# Detailed Course Scheme
# Bachelor of Arts (B.A.)
# (History/ Political Science/ Geography)

## Semester-II
## (2023-2027)

DOC202306070018



# RNB GLOBAL UNIVERSITY

RNB Global City, Ganganagar Road,
Bikaner, Rajasthan 334601

## OVERVIEW

RNB Global University follows Semester System along with Choice Based Credit System as per latest guidelines of University Grants Commission (UGC). Accordingly, each academic year is divided into two semesters, **Odd (July-December) and Even (January-June).** Also, the university follows a system of continuous evaluation along with regular updating in course curricula and teaching pedagogy.

The curriculum for BA program for (January-June) Even Semester, 2024 along with Examination pattern is as follows:

### Semester –II

| S. No | Course Code | Course Category | Course Name | L | T | P | Credits |
|---|---|---|---|---|---|---|---|
| 1. | 12002300 | DSC-G2 | Human Geography | 5 | 1 | 0 | 6 |
| 2. | 12001000 | DSC-H2 | History of Indian National Movement (1857-1947) | 5 | 1 | 0 | 6 |
| 3. | 12002800 | GE-2 | One from the pool of GE-Group B | 5 | 1 | 0 | 6 |
| 4. | 99001900 | AEC | Environmental Studies | 3 | 1 | 0 | 4 |
| 5. | 99003300 | | Workshops &Seminars Human Values/ Social Service/NCC/NSS | - | - | - | 1 |
| | | | **Total** | **18** | **4** | **0** | **23** |

## EVALUATION SCHEME

The evaluation of the BA program would be based on Internal and External Assessments. Internal Assessment would consist of 50% of the marks (50 marks) and external assessment (in form of End Term Exam) would consist of remaining 50% marks (50 marks). Detailed scheme of Internal and External Assessments as follows:

### Internal Assessment

The distribution of Internal Assessment Marks is as follows:

| Type | Details | Marks |
|---|---|---|
| Mid Term | One Mid-term Sessional | 25 |
| Marks obtained in various Tests, Assignments, Presentations, Quiz, Tutorials, etc. | Average of marks obtained | 20 |
| Attendance | 75% + : 5 marks | 5 |
| **TOTAL** | **50** | |

### External Assessment

| Type | Marks |
|---|---|
| Theory | 50 |

## EVALUATION SCHEME- WORKSHOPS & SEMINARS AND HUMAN VALUES & SOCIAL SERVICE/NCC/NSS

1. The evaluation of Workshops & Seminar and Human Values & Social Service/NCC/NSS will be completed from Semester I – Semester VI. It will be evaluated internally by the various Forums & Schools Concerned. The credit for this will be given at the end of each Semester.

2. The students have to join club/clubs/Forums with the active participation in different activities of club. The students would be continuously assessed from Semester-I to Semester-IV and credits and marks would be given after the end of each Semester

# 1. Vision

Vision of BA Program is to develop comprehensive skill for competitive exams, establish advanced studies and research based Centre for students and scholars.

# 2. Mission

Mission of Department of Arts is to cultivate a scholarly mindset and analytical abilities in students, as well as train them in social and economic sphere, to reach the dynamic knowledge in the field of social science and to develop social values.

# 3. Program Educational Objectives (PEO's)

**PEO1:** To overall develop deep knowledge of the social science through a flexible, research and cultural-oriented curriculum designed to meet the current demand of academia and research industry.

**PEO2:** To identify gap, formulate, comprehend, analysis, design and solve societal issues and challenges.

**PEO3:** To acquire techno-economic aptitude and apply the acquired practical skills and to develop broad training for better reach.

# 4. Programme Outcomes (PO's)

After the completion of this program students will be able to:

**PO1**. Apply knowledge to the complex Socio-Political problems.

**PO2.** Identify and analyse challenging issues in society at national or international level. Inculcate values of rights and duties, and transfer these values to real-life and for promoting community welfare.

**PO3.** Use research-based knowledge and research methodologies to obtain reliable outcomes and develop socio-scientific research skills and apply it during programme & in practice.

**PO4.** Interpret social and political problems and work towards finding solutions for the betterment of the Nation.

**PO5**. Understand the impact of the societal & environmental contexts, and demonstrate the knowledge and need for sustainable development for society.

**PO6.** Apply principles of professional ethics of respective profession.

**PO7**. Develop leadership qualities amongst students.

**PO8.** Communicate effectively with the social, cultural, national and international community. Ability to learn the art of communicating and demonstrating their skills.

**PO9.** Provide a platform of self-employability by developing professional skills in respective social industry.

**PO10.** Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broader context of social and political change.

# 5. Program Specific Outcomes (PSO's)

**PSO1:** To demonstrate knowledge and understanding of various social issues and challenges.

**PSO2:** To develop the problem-s o l v i n g  methods of Analysing social problems  and understanding social dynamics.

**PSO3:** To function in multi-disciplinary work environment, good interpersonal skills as a leader in a team in appreciation of professional ethics and societal responsibilities.

| 6. Course Outcomes | |
|---|---|
| **Course Code and Corse Name** | **After completion of these courses' students should be able to** |
| 12002300-<br><br>Human Geography | **CO1:** Define and understand the nature of geography as a discipline, explore its major subfields, and analyze its contemporary relevance in understanding global and regional issues.<br><br>**CO2:** Examine the interrelationship between space and society by exploring cultural regions, race, religion, and language, and their roles in shaping human identities and interactions.<br><br>**CO3:** Analyze population growth patterns using the Demographic Transition Theory, and evaluate the social, economic, and environmental impacts of population changes over time.<br><br>**CO4:** Investigate global population distribution and composition, focusing on factors such as age, gender, and literacy, and understand their implications for regional development and planning.<br><br>**CO5:** Explore the types and patterns of rural and urban settlements, and assess global trends in urbanization, understanding their significance in shaping economic and social structures worldwide. |
| 12001000-<br><br>History of Indian National Movement (1857-1947) | **CO1:** Analyze the socio-political and economic circumstances leading to the First War of Independence in 1857, evaluate different historical perspectives on the event, and assess its impact on British policies in India.<br><br>**CO2:** Examine the growth of nationalism in India, understanding the theories of nation-state and the social, cultural, and political factors that contributed to the rise of mass nationalism in the country.<br><br>**CO3:** Explore the evolution of key movements, such as the Swadeshi Movement, Home Rule, and early regional resistance, assessing their significance in the broader context of India's struggle for independence.<br><br>**CO4:** Investigate the rise of alternative ideologies within the independence movement, focusing on mass movements like Non-Cooperation, Civil Disobedience, and revolutionary activities, while analyzing the contributions of various leaders and ideologies, including Subhash Chandra Bose.<br><br>**CO 5:** Evaluate the factors leading to the partition of India, including communalism, the role of the INA, and key constitutional negotiations, culminating in the Mountbatten Plan and the circumstances surrounding independence and partition in 1947. |
| 12002800-<br>Computer Applications | **CO1:** Explain the basics of Computer Fundamental.<br><br>**CO2:** Make use of networking protocols, networking devices and server models. |

| | |
|---|---|
| | **CO3:** Classify the various term of internet and applications of Internet. |
| | **CO4:** Elaborate the basics of Microsoft office formulas used in MS office. It able to distinguish between MS excel PowerPoint working basics. |
| | **CO5:** Explain about input and output devices, operating system, application software. |
| 99001900-<br>Environmental Studies | **CO1:** Understand the multidisciplinary nature, scope, and importance of environmental studies, and explore the concepts of sustainability and sustainable development in addressing global environmental challenges.<br><br>**CO2:** Analyze the structure, function, and energy flow within different ecosystems, including forest, grassland, desert, and aquatic ecosystems, through case studies to understand ecological dynamics and biodiversity.<br><br>**CO3:** Examine the impact of human activities on natural resources, focusing on land, water, and energy resources, and assess the environmental, social, and economic consequences of deforestation, land degradation, and resource exploitation.<br><br>**CO4:** Explore biodiversity at genetic, species, and ecosystem levels, understanding the threats to biodiversity and the significance of conservation strategies, including in-situ and ex-situ methods, particularly in the context of India's mega biodiversity.<br><br>**CO5:** Investigate environmental pollution, its types, causes, and effects, and review global and national environmental policies and practices, including climate change, environmental laws, and the role of environmental movements in promoting sustainability and conservation. |

## 7. CO PO Mapping

| 12002300 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|---|---|---|---|---|---|---|---|---|---|---|
| CO1 | 3 | 1 | 1 | 3 | 2 | 3 | 1 | 2 | 2 | 2 |
| CO2 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 |
| CO3 | 2 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 2 | 1 |
| CO4 | 1 | 1 | 3 | 1 | 1 | 2 | 2 | 1 | 2 | 3 |
| CO5 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 |

| 12001000 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|---|---|---|---|---|---|---|---|---|---|---|
| CO1 | 3 | 2 | 2 | 2 | | | 2 | 2 | | 3 |
| CO2 | 3 | 3 | 2 | 2 | | | 2 | 2 | 3 | 3 |
| CO3 | 2 | 2 | 3 | 1 | 2 | | 1 | 3 | 1 | 3 |
| CO4 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 |
| CO5 | 3 | 2 | | 2 | 3 | | 2 | 3 | 2 | 2 |

| 12002800 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|---|---|---|---|---|---|---|---|---|---|---|
| CO1 | 3 | | 3 | | 3 | 3 | 3 | 2 | | 3 |
| CO2 | | 3 | 3 | | 3 | 3 | | 3 | 3 | 3 |
| CO3 | 3 | 3 | | 3 | | 3 | | | | 3 |
| CO4 | | 3 | 3 | 3 | 3 | | | 3 | 3 | 3 |
| CO5 | 3 | | | 3 | | | 3 | | 3 | 3 |

| 99001900 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|---|---|---|---|---|---|---|---|---|---|---|
| CO1 | 3 | 3 | 2 | 2 | | | | | 3 | 2 |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | |
| CO3 | 3 | 3 | 3 | | 3 | 3 | 3 | 2 | 3 | 3 |
| CO4 | 2 | 1 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO5 | 3 | | 3 | 3 | | 3 | 3 | | 3 | 3 |

# 8. Curriculum

## Course name: Human Geography
## Course Code: 12002300

**Course objectives**

The course on Human Geography aims to explore the relationship between people, place, and environment by analyzing spatial patterns of human activities, cultural landscapes, population dynamics, and economic systems. Students will develop critical insights into global issues, including urbanization, migration, development, and environmental sustainability across diverse regions.

**Course Outline**

1. Definition, Nature, Major Subfields, Contemporary Relevance.
2. Space and Society: Cultural Regions; Race; Religion and Language
3. Population: Population Growth and Demographic Transition Theory.
4. World Population Distribution and Composition (Age, Gender and Literacy).
5. Settlements: Types and Patterns of Rural Settlements; Classification of Urban Settlements; Trends and Patterns of World Urbanization

**Suggested Reading**
1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
2. Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
3. Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
4. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
5. Kaushik, S.D. (2010) Manav Bhugol, Rastogi Publication, Meerut.
6. Maurya, S.D. (2012) Manav Bhugol, Sharda Pustak Bhawan. Allahabad.
7. Ghosh, S. (2015) Introduction to settlement geography. Orient Black Swan Private Ltd., Kolkata
8. Hussain, Majid (2012) Manav Bhugol. Rawat Publications, Jaipur

## Course Name: History of Indian National Movement (1857-1947)
## Course Code: 12001000

**Course objectives**

The contents of the syllabus are designed to cover core issues pertaining to vast canvass of nationalist history so that the student at the under graduate level is equipped to focus upon the core ideas of national movement in its contextuality. India's quest for independence and nation building are interwoven script of history, debated most widely at global level with various angles. Indeed, India's national movement has vast and divergent ideological base with inner contradictions.

### Course Outline

### UNIT I First War of Independence and Rise of Mass Nationalism
I. Circumstances leading to First War of Independence, Geographical area of great upsurge, Debates on 1857 and Impact on British Policies.
II. Theories pertaining to Nationalism & Nation state
III. Factors leading to growth of Nationalism in India & Social Background of Indian Nationalism.
V. Two ideas of Early Nationalist: Issue of Classes vs. Masses

### UNIT II From Swadeshi to Home Rule
I. Idea of Swadeshi, Swadeshi Movement & Congress Split at Surat & British response to the Swadeshi Movement.
II. Idea & formation of Muslim league: Demands and Early Programs
III. First World War: Lucknow Pact, Home Rule Movement
IV. Entry of Gandhi: Regional Movements, Rowlatt Satyagrah, Khilafat Issue.

### UNIT III Mass Movements of Congress & Alternative Ideologies
I. Non-Cooperation, Regional variations and Swarajists
II. Revolutionary Movement, Trial of Bhagat Singh, Rise of leftist Ideology
III. Simon Commission, Nehru Report and Civil Disobedience Movement
IV. Tripuri crisis: Issues and Ideas of Subhash Chand Bose, Quit India movement.

### UNIT IV Rise of Peasant, Workers, Tribals's & Linguistic Organizations
I. Peasant Issues since 1919, formation of Regional Peasant Associations and all India Kisan Sabha, Role of Madan mohan Malviya & Sahjanand Saraswati.
II. Rise of Industrial Worker Class, its issues and Formation of Trade Unions.
III. Colonial Policies & Tribal Issues (1857- 1947)
IV. Rise and Challenges of Linguistic Identities.

### UNIT V- Road to Partition & Independence
I. Challenges of Communalism (1942- 1947)
II. Role of INA, INA Trials & RIN Mutiny
III. Constitutional Formulas: Wavell Plan, Cripps and Cabinet Mission
IV. -- Mountbatten plan, Circumstances leading to Partition & Independence

### Suggested Reading

1. Brown, J. M. (1994). Modern India: The Origins of an Asian Democracy. Oxford University Press.
2. Chandra, B. (1989). India's Struggle for Independence. Penguin Books.
3. Chandra, B. (2009). History of Modern India. Orient BlackSwan.
4. Desai, A. R. (1948). Social Background of Indian Nationalism. Popular Prakashan.
5. Dutt, R. C. (1901). The Economic History of India under Early British Rule. Routledge.
6. Gandhi, M. K. (1927). The Story of My Experiments with Truth. Navajivan Publishing House.
7. Guha, R. (2007). India after Gandhi: The History of the World's Largest Democracy. HarperCollins.

8.  Jalal, A., & Bose, S. (1997). Modern South Asia: History, Culture, Political Economy. Routledge.
9.  Lajpat Rai, L. (1928). Unhappy India. Banna Publishing.
10. Majumdar, R. C. (1963). History of the Freedom Movement in India (Vols. 1-3). Firma KLM.
11. Metcalf, B. D., & Metcalf, T. R. (2006). A Concise History of Modern India. Cambridge University Press.
12. Moon, P. (1998). Divide and Quit: An Eyewitness Account of the Partition of India. Oxford University Press.
13. Naoroji, D. (1901). Poverty and Un-British Rule in India. Swan Sonnenschein.
14. Sarkar, S. (1983). Modern India: 1885-1947. Macmillan.
15. Savarkar, V. D. (1909). The First War of Indian Independence: 1857. Phoenix Publications.
16. Sen, S. N. (1997). History of the Freedom Movement in India (Vol. 2). New Age International.
17. Singh, K. (1950). A History of Sikhs (Vol. 2). Oxford University Press.
18. Thompson, E., & Garratt, G. (1934). Rise and Fulfilment of British Rule in India. Macmillan.

19. Wolpert, S. (2009). Shameful Flight: The Last Years of the British Empire in India. Oxford University Press.
20. Wolpert, S. (2009). A New History of India. Oxford University Press.

# Course Name: Computer Applications (GE)
# Course Code: 12002800

## Course objectives

This course aims to equip students with essential skills in computer applications and their practical uses across various domains. It will cover fundamental topics such as operating systems, word processing, spreadsheets, databases, and presentation software. Students will gain proficiency in using these tools to enhance productivity, manage data, and create professional documents and presentations. The course will also introduce basic programming concepts and software development principles. Emphasis will be placed on problem-solving, data analysis, and effective communication through technology. By the end of the course, students will be adept at applying computer applications to real-world tasks and projects.

## Course Outline

**Unit I: Introduction**
Hardware/Software Model of a Computer, its various types, Programs And Processes working, Introduction to Programming: Concept of algorithms, Flow Charts,Data Flow diagrams etc.

**Unit II: Basic of Computer Networks:**
 Introduction to computer network, data Communication, components of data communication, data transmission mode, LAN, MAN,WAN, wireless LAN, internet, intranet, extranet. Network Models: Client/ server network And Peer-to-peer network, OSI, TCP/IP,

layers and functionalities. LAN Topologies: Ring,Bus, star, mesh and tree topologies. Network Devices: NIC, repeaters, hub, bridge, switch,Gateway and router.

## Unit III: Internet Terms:
Web page, Home page, website, internet browsers, URL,Hypertext, ISP, Web server, download and upload, online and offline. Internet Applications: www, telnet, ftp, e-mail, social networks, search engines, Video Conferencing, e-Commerce, m-Commerce, VOIP, blogs.

## Unit IV: World Wide Web:
Origin and concepts, Searching the Internet, Advance Web Search, Web Surveys, e-mails,Blogging, Video Conference, Online Legal Database – Manupatra, Hein Online, Westlaw India.

## Unit V: Application Software:
Word Processing Basics; typing in word processing, Text formatting, Use of formatting Tools, Tables, Mail Merge. Spreadsheets with headers ,footers & footnotes; Creating, Saving & Editing a workbook, Cell Entries, Graphs & Charts.

## Unit VI:
Microsoft Excel basics, rearranging worksheets, excel formatting tips and techniques, introduction to functions, Excel's chart buildup - features, using worksheet as databases, automating. Microsoft PowerPoint basics, creating presentation the easy way, working with text in PowerPoint, Presentation with Power-Point: creating presentation, working with graphics, show time, sound effects and animation effects. Formatting of presentations slides, Adding Hyperlinks and Multimedia to the presentations.

## Suggested Readings:

1. Andrews, J., & Lammlein, S. E. (2018). Computer Applications for Business: A Problem-Solving Approach. Pearson Education.
2. Behara, R. S., & Schilling, D. (2020). Introduction to Computer Applications in Business. Springer.
3. Chapman, S., & Brown, K. (2017). Mastering Computer Applications: An Essential Guide. Wiley.
4. Connolly, T. M., & Begg, C. E. (2019). Database Systems: A Practical Approach to Design, Implementation, and Management (6th ed.). Pearson Education.
5. Elmasri, R., & Navathe, S. B. (2016). Fundamentals of Database Systems (7th ed.). Pearson Education.
6. Farrel, J. P., & Farrell, S. (2018). Business Data Communications and Networking (13th ed.). Wiley.

7. Gookin, D. (2019). Computers For Seniors For Dummies (7th ed.). For Dummies.
8. Gosselin, D. C. (2017). Computer Applications for Business and Management: Concepts and Techniques. Cengage Learning.
9. Hoffer, J. A., Ramesh, V., & Topi, H. (2016). Modern Systems Analysis and Design (8th ed.). Pearson Education.
10. Kennesaw, T., & Adams, D. (2020). Introduction to Computer Science Using Python. Wiley.

11. Kriegel, M., & Seshadri, S. (2017). Data Mining: Concepts and Techniques (3rd ed.). Morgan Kaufmann.
12. Kurose, J. F., & Ross, K. W. (2017). Computer Networking: A Top-Down Approach (7th ed.). Pearson Education.
13. Laudon, K. C., & Laudon, J. P. (2020). Management Information Systems: Managing the Digital Firm (16th ed.). Pearson Education.
14. O'Brien, J. A., & Marakas, G. M. (2019). Management Information Systems (11th ed.). McGraw-Hill Education.
15. Panko, R. R. (2019). Introduction to Computer Applications and Concepts. Pearson Education.
16. Schneider, G. P. (2019). Introduction to Information Systems (11th ed.). Cengage Learning.
17. Stallings, W. (2017). Computer Security: Principles and Practice (4th ed.). Pearson Education.
18. Stein, M., & Murdick, R. G. (2017). Computer Applications for Business: Essential Skills. McGraw-Hill Education.
19. Tanenbaum, A. S., & Bos, H. (2015). Modern Operating Systems (4th ed.). Pearson Education.
20. White, D. M., & Edwards, J. (2019). Computer Applications in Engineering Education. Springer.

# Course Name: Environmental Studies (AECC)
# Course Code: 99001900

## Course objectives

- To understand theoretical and practical aspect of environment studies. About various conservation strategies and problems with environment. Discussion, Video and Lecture is the pedagogy used.
- To gain knowledge on the importance of environmental education and ecosystem.
- To acquire knowledge about environmental pollution- sources, effects and control measures of environmental pollution.
- To acquire knowledge with respect to biodiversity, its threats and its conservation and appreciate the concept of interdependence.
- To be aware of the national and international concern for environment for protecting the environment.

## Course Outline

### Unit I: Introduction to environmental studies
- Multidisciplinary nature of environmental studies;
- Scope and importance; Concept of sustainability and sustainable development.

### Unit II: Ecosystems
What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems:
    a) Forest ecosystem

b) Grassland ecosystem
c) Desert ecosystem
d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

## Unit III: Natural Resources: Renewable and Non-renewable Resources
- Land resources and landuse change; Land degradation, soil erosion and desertification.
- Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.
- Water: Use and overexploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state).
- Energy resources: Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

## Unit IV: Biodiversity and Conservation
- Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographic zoneof India; Biodiversity patterns and global biodiversity hot spots.
- India as a mega biodiversity nation; Endangered and endemic species of India
- Threats to biodiversity: Habitat loss, poaching of wildlife, manwildlife conflicts, biological invasions; Conservation of biodiversity: Insitu and Exsitu conservation of biodiversity.
- Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

## Unit V: Environmental Pollution
- Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution.
- Nuclear hazards and human health risks
- Solid waste management: Control measures of urban and industrial waste.
- Pollution case studies.

## Unit VI: Environmental Policies & Practices
- Climate change, global warming, ozone layer depletion, acid rain and impacts on human Communities and agriculture.
- Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).
- Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.

## Unit VII: Human Communities and the Environment
- Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- Disaster management: floods, earthquake, cyclones and landslides.
- Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.

- Environmental ethics: Role of Indian and other religions and cultures in environment al conservation.
- Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).

## Unit VIII: Field work

- Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.
- Visit to a local polluted site-Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification.
- Study of simple ecosystems-pond, river, Delhi Ridge, etc.

### Suggested Readings:

1. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge
3. Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security.
4. Stockholm Env. Institute, Oxford Univ. Press.
5. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. Principles of Conservation B iology.
6. Sunderland: Sinauer Associates, 2006.
7. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. Sc ience, 339: 36-37.
8. McCully, P. 1996. Rivers no more: the environmental effects of dams (pp. 29-64). Zed Books.
9. McNeill, John R. 2000. Something New Under the Sun: An Environmental History of t he Twentieth Century.
10. Odum, E.P., Odum, H.T. & Andrews, J. 1971. Fundamentals of Ecology. Philadelphia: S aunders.
11. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. Environmental and Pollution Science. Academic Press.
12. Rao, M.N. & Datta, A.K. 1987. Waste Water Treatment. Oxford and IBH Publishing Co. Pvt. Ltd.
13. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. Environment. 8th edition. John Wile y & Sons.
14. Rosencranz, A., Divan, S., & Noble, M. L. 2001. Environmental law and policy in India. Tripathi 1992.
15. Sengupta, R. 2003. Ecology and economics: An approach to sustainable development. OUP.
16. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. Ecology, Environmental Science and Cons ervation. S. Chand Publishing, New Delhi.
17. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. Conservation Biology: Voices from th e Tropics. John Wiley & Sons.
18. Thapar, V. 1998. Land of the Tiger: A Natural History of the Indian Subcontinent.

19. Warren, C. E. 1971. Biology and Water Pollution Control. WB Saunders.
20. Wilson, E. O. 2006. The Creation: An appeal to save life on earth. New York: Norton.
21. World Commission on Environment and Development. 1987. Our Common Future. Oxford University Press.

## 9. Lesson Plans

### 12002300– Human Geography

| Unit | Particulars | Class No. | Pedagogy of Class |
|---|---|---|---|
| Unit-I | Definition and nature of Human Geography | C-1 | Lecture |
| Unit-I | Definition and nature of Human Geography | C-2 | Lecture |
| Unit-I | Major Subfield of Human geography | C-3 | Lecture |
| Unit-I | Cultural geography, historical geography, political Geography | C-4 | Lecture |
| Unit-I | Population Geography, economic geography, medical geography | C-5 | Lecture |
| Unit-I | Clarification class | C-6 | Clarification Class |
| Unit-I | Transportation geography, urban geography, rural geography | C-7 | Lecture |
| Unit-I | Environmental Determinism and Possibilisam | C-8 | Lecture |
| Unit-I | Environmental Determinism and Possibilisam | C-9 | Lecture |
| Unit-I | Contemporary relevance | C-10 | Lecture |
| Unit-I | Contemporary relevance | C-11 | Lecture |
| Unit-I | Clarification Class | C-12 | Clarification Class |
| Unit-I | Quiz | C-13 | Quiz |
| Unit-II | Space and Society | C-14 | Lecture |
| Unit-II | Space and Society | C-15 | Lecture |
| Unit-II | Cultural regions of world | C-16 | Lecture |
| Unit-II | Occidental Culture | C-17 | Lecture |
| Unit-II | Islamic Culture | C-18 | Lecture |
| Unit-II | Indian Culture | C-19 | Lecture |
| Unit-II | Clarification Class | C-20 | Clarification Class |
| Unit-II | East Asian Culture | C-21 | Lecture |
| Unit-II | South East Asian Culture | C-22 | Lecture |
| Unit-II | Meso African Culture | C-23 | Lecture |
| Unit-II | Major Races of World | C-24 | Lecture |
| Unit-II | Negroid and Caucasoid | C-25 | Lecture |
| Unit-II | Mangoloid and Australoid | C-26 | Lecture |
| Unit-II | Clarification class | C-27 | Lecture |
| Unit-II | Take Home Assignment | | Home Assignment |
| Unit-II | Quiz | C-28 | Quiz |
| Unit-II | Presentation | C-29 | Presentation |
| Unit-III | Population Growth | C-30 | Lecture |
| Unit-III | Population Growth | C-31 | Lecture |
| Unit-III | Comparison of population growth with India | C-32 | Lecture |
| Unit-III | Theory On population Growth | C-33 | Lecture |
| Unit-III | Theory On population Growth | C-34 | Lecture |
| Unit-III | Clarification Class | C-35 | Clarification class |
| Unit-IV | Demographic Transition theory | C-36 | Lecture |
| Unit-IV | Demographic Transition theory | C-37 | Lecture |
| Unit-IV | Quiz | C-38 | Quiz |
| Unit-IV | Class Assignments | C-39 | Class Assignment |
| Unit-IV | World Population | C-40 | Lecture |

| | | | |
|---|---|---|---|
| Unit-IV | Distribution Of world population | C-41 | Lecture |
| Unit-IV | Factor affecting distribution of world population | C-42-C-45 | Lecture |
| Unit-IV | Composition of world population | C-46-C-50 | Lecture |
| Unit-IV | Clarification Class | C-51 | Clarification Class |
| Unit-IV | Class Assignments | C-52 | Class Assignment |
| Unit-IV | Presentation | C-53-54 | Presentation |
| Unit-V | Settlements | C-55 | Lecture |
| Unit-V | Types and Patterns of Rural settlements | C-56-C-58 | Lecture |
| Unit-V | Rural Settlements In India | C-59-C61 | Lecture |
| Unit-V | Classification Of Urban Settlements | C-61-62 | Lecture |
| Unit-V | Clarification Class | C-63 | Clarification Class |
| Unit-V | Presentation | C-64-65 | Presentation |
| Unit-V | Quiz | C-66 | Quiz |
| Unit-V | Trends and Patterns of World Urbanisation | C-66-70 | Lecture |
| Unit-V | Test | C-71 | Test |
| Unit-V | Guest Lecture | C-72 | Guest Lecture |
| Unit-V | Clarification Class | C-73-C-75 | Lecture |

**12001000- History of Indian National Movement (1857-1947) (DSC)**

| Unit | Particulars | Class No. | Pedagogy of Class |
|------|-------------|-----------|-------------------|
| Unit-I | Introduction Abut the Subject and COS, POS | C-1 | Lecture |
| Unit-I | Circumstances leading to First War of Independence. | C-2 | Lecture |
| Unit-I | Geographical area of great upsurge | C-3 | Lecture |
| Unit-I | Debates on 1857 and Impact on British Policies. | C-4 | Lecture |
| Unit-I | Theories pertaining to Nationalism & Nation state | C-5 | Lecture |
| Unit-I | Theories pertaining to Nationalism & Nation state | C-6 | Lecture |
| Unit-I | Theories pertaining to Nationalism & Nation state | C-7 | Lecture |
| Unit-I | Factors leading to growth of Nationalism in India & Social Background of Indian Nationalism | C-8 | Lecture |
| Unit-I | Factors leading to growth of Nationalism in India & Social Background of Indian Nationalism. | C-9 | Lecture |
| Unit-I | Factors leading to growth of Nationalism in India & Social Background of Indian Nationalism. | C-10 | Lecture |
| Unit-I | Factors leading to growth of Nationalism in India & Social Background of Indian Nationalism. | C-11 | Lecture |
| Unit-I | Two ideas of Early Nationalist: Issue of Classes vs. Masses | C-12 | Lecture |
| Unit-I | Two ideas of Early Nationalist: Issue of Classes vs. Masses | C-13 | Lecture |
| Unit-I | Clarification Class- | C-14 | Clarification Class |
| Unit-II | Idea of Swadeshi, Swadeshi Movement & Congress Split at Surat | C-15 | Lecture |
| Unit-II | Take Home Assignments 1 | | Home Assignment |
| Unit-II | British response to the Swadeshi Movement. | C-16 | Lecture |
| Unit-II | Idea & formation of Muslim league: Demands and Early Programs | C-17 | Lecture |
| Unit-II | Idea & formation of Muslim league: Demands and Early Programs | C-18 | Lecture |
| Unit-II | Idea & formation of Muslim league: Demands and Early Programs | C-19 | Lecture |
| Unit-II | First World War: Lucknow Pact, Home Rule Movement | C-20 | Lecture |
| Unit-II | First World War: Lucknow Pact, Home Rule Movement | C-21 | Lecture |
| Unit-II | First World War: Lucknow Pact, Home Rule Movement | C-22 | Lecture |
| Unit-II | Entry of Gandhi: Regional Movements, Rowlatt Satyagrah, Khilafat Issue. | C-23 | Lecture |
| Unit-II | Entry of Gandhi: Regional Movements, Rowlatt Satyagrah, Khilafat Issue. | C-24 | Lecture |
| Unit-II | Entry of Gandhi: Regional Movements, Rowlatt Satyagrah, Khilafat Issue. | C-19 | Lecture |
| Unit-II | Activity- I | C-20 | Activity |

| Unit-II | Class Room Assignment-I | C-21 | Class Assignment |
|---|---|---|---|
| Unit-II | Clarification Class- | C-22 | Clarification Class |
| Unit-III | Non-Cooperation, Regional variations and Swarajists | C-23 | Lecture |
| Unit-III | Non-Cooperation, Regional variations and Swarajists | C-24 | Lecture |
| Unit-III | Non-Cooperation, Regional variations and Swarajists | C-25 | Lecture |
| Unit-III | Revolutionary Movement, Trial of Bhagat Singh, Rise of leftist Ideology | C-26 | Lecture |
| Unit-III | Revolutionary Movement, Trial of Bhagat Singh, Rise of leftist Ideology | C-27 | Activity |
| Unit-III | Simon Commission, Nehru Report | C-28 | Lecture |
| Unit-III | Simon Commission, Nehru Report | C-29 | |
| Unit-III | Take Home Assignments 2 | C-30 | Home Assignment |
| Unit-III | Simon Commission, Nehru Report | C-31 | Lecture |
| Unit-III | Civil Disobedience Movement | C-32 | Lecture |
| Unit-III | Civil Disobedience Movement | C-33 | Lecture |
| Unit-III | Tripuri crisis: Issues and Ideas of Subhash Chand Bose. | C-34 | Lecture |
| Unit-III | Quit India movement. | C-35 | Lecture |
| Unit-III | Clarification Class- | C-36 | Clarification Class |
| Unit-IV | Activity- II | C-37 | Activity |
| Unit-IV | Peasant Issues since 1919, formation of Regional Peasant Associations and all India Kisan Sabha, | C-38 | Lecture |
| Unit-IV | Quiz I | C-39 | Quiz |
| Unit-IV | Role of Madan mohan Malviya & Sahjanand Saraswati. | C-40 | Lecture |
| Unit-IV | Role of Madan mohan Malviya & Sahjanand Saraswati. | C-41 | Lecture |
| Unit-IV | Rise of Industrial Worker Class, its issues and Formation of Trade Unions. | C-42 | Lecture |
| Unit-IV | Rise of Industrial Worker Class, its issues and Formation of Trade Unions. | C-43 | Lecture |
| Unit-IV | Colonial Policies & Tribal Issues (1857- 1947) | C-44 | Lecture |
| Unit-IV | Colonial Policies & Tribal Issues (1857- 1947) | C-45 | |
| Unit-IV | Colonial Policies & Tribal Issues (1857- 1947) | C-46 | Lecture |
| Unit-IV | Colonial Policies & Tribal Issues (1857- 1947) | C-47 | |
| Unit-IV | Rise and Challenges of Linguistic Identities. | C-48 | Lecture |
| Unit-IV | Rise and Challenges of Linguistic Identities. | C-49 | Lecture |
| Unit-IV | Rise and Challenges of Linguistic Identities. | C-50 | Lecture |
| Unit-IV | Clarification Class- | C-51 | Clarification Class |
| Unit-IV | Activity- III | C-52 | Lecture |
| Unit-V | Challenges of Communalism (1942- 1947) | C-53 | Lecture |
| Unit-V | Class Room Assignment-II | C-54 | Class Assignment |
| Unit-V | Challenges of Communalism (1942- 1947) | C-55 | Lecture |
| Unit-V | Challenges of Communalism (1942- 1947) | C-56 | Lecture |
| Unit-V | Role of INA, INA Trials & RIN Mutiny | C-57 | Lecture |
| Unit-V | Role of INA, INA Trials & RIN Mutiny | C-58 | Lecture |
| Unit-V | Take Home Assignment 3 | C-59 | Home Assignment |

| Unit-V | Constitutional Formulas: Wavell Plan. | C-60 | Lecture |
|--------|----------------------------------------|------|---------|
| Unit-V | Presentation | C-61 | Presentation |
| Unit-V | Constitutional Formulas: Wavell Plan. | C-62 | Lecture |
| Unit-V | Constitutional Formulas: Wavell Plan. | C-63 | Lecture |
| Unit-V | Constitutional Formulas: Cripps and Cabinet Mission | C-64 | Lecture |
| Unit-V | Constitutional Formulas: Cripps and Cabinet Mission | C-65 | Lecture |
| Unit-V | Constitutional Formulas: Cripps and Cabinet Mission | C-66 | Lecture |
| Unit-V | Mountbatten plan, Circumstances leading to Partition & Independence | C-67 | Lecture |
| Unit-V | Constitutional Formulas: Cripps and Cabinet Mission | C-68 | Lecture |
| Unit-V | Mountbatten plan, Circumstances leading to Partition & Independence | C-69 | Lecture |
| Unit-V | Constitutional Formulas: Cripps and Cabinet Mission | C-70 | Lecture |
| Unit-V | Clarification Class- | C-71 | Clarification Class |
| Unit-V | Seminar | C-72 | Seminar |
| Unit-V | Class Room Assignment | C-73 | Class Assignment |
| Unit-V | Seminar | C-74 | Seminar |
| Unit-V | Activity- IV | C-75 | Activity- IV |

**12002800– Computer Applications**

| Unit | Particulars | Class No. | Pedagogy of Class |
|------|-------------|-----------|-------------------|
| Unit-I | Introduction | | |
| Unit-I | Hardware/Software | C1 | Lecture |
| Unit-I | Model of a Computer, Its various types | C2 | Lecture |
| Unit-I | Programs and Processes working | C3 | Lecture |
| Unit-I | Concept of algorithms | C4 | Lecture |
| Unit-I | Concept of algorithms | C5 | Lecture |
| Unit-I | Flow Charts | C6 | Lecture |
| Unit-I | Flow Charts | C7 | Lecture |
| Unit-I | Data Flow Diagrams | C8 | Lecture |
| Unit-I | Data Flow Diagrams | C9 | Lecture |
| Unit-I | Tutorial | C10 | Tutorial |
| Unit-I | Tutorial | C11 | Tutorial |
| Unit-I | Tutorial | C12 | Tutorial |
| Unit-I | Tutorial | C13 | Tutorial |
| Unit-I | Clarification Class | C14 | Clarification Class |
| Unit-I | Activity | C15 | Activity |
| Unit-I | Class Room Assignment | C16 | Class Assignment |
| Unit-I | Presentation | C17 | Presentation |
| Unit-II | Introduction to computer network, data communication | C18 | Lecture |
| Unit-II | Components of data communication, data transmission mode | C19 | Lecture |
| Unit-II | LAN, MAN, WAN, wireless internet, intranet, extranet | C20 | Lecture |
| Unit-II | Network Models: Client/ server network and Peer-to-peer network | C21 | Lecture |
| Unit-II | OSI, TCP/IP, layers and functionalities | C22 | Lecture |
| Unit-II | LAN Topologies: Ring, bus, star, mesh and tree topologies | C23 | Lecture |
| Unit-II | Network Devices: NIC, repeaters, hub, bridge, switch, gateway and router | C24 | Lecture |
| Unit-II | Clarification Class | C25 | Clarification Class |
| Unit-II | Activity | C26 | Activity |
| Unit-II | Quiz | C27 | Quiz |
| Unit-II | Seminar | C28 | Seminar |
| Unit-II | Take Home Assignments | | Home Assignment |
| Unit-III | Internet Terms: Web page, Home page | C29 | Lecture |
| Unit-III | Website, internet browsers, URL | C30 | Lecture |
| Unit-III | Hypertext, ISP, Web server | C31 | Lecture |
| Unit-III | Download and upload, online and offline | C32 | Lecture |
| Unit-III | Internet Applications: www, telnet, ftp, e-mail, social networks | C33 | Lecture |
| Unit-III | Search engines, Video Conferencing | C34 | Lecture |
| Unit-III | E-Commerce, m-Commerce, VOIP, blogs | C35 | Lecture |
| Unit-III | World Wide Web: Origin and concepts, Searching the Internet | C36 | Tutorial |
| Unit-III | Advance Web Search, Web Surveys, e-mails, Blogging | C37 | Tutorial |

| | | | |
|---|---|---|---|
| Unit-III | Video Conference, | C38 | Tutorial |
| Unit-III | Clarification Class | C39 | Clarification Class |
| Unit-III | Activity | C40 | Activity |
| Unit-IV | Presentation | C41 | Presentation |
| Unit-IV | Online Legal Database | C42 | Webinar |
| Unit-IV | Take Home Assignments | | Home Assignment |
| Unit-IV | Video Conference, Online Legal Database | C43 | Lecture |
| Unit-IV | Microsoft Word basics | C44 | Lecture |
| Unit-IV | Formatting text and documents | C45 | Lecture |
| Unit-IV | Working with headers, footers and footnotes | C46 | Lecture |
| Unit-IV | Tabs, tables and sorting | C47 | Lecture |
| Unit-IV | Working with graphics, templates | C48 | Lecture |
| Unit-IV | Wizards and sample documents | C49 | Lecture |
| Unit-IV | Introduction to mail merge and macros | C50 | Lecture |
| Unit-IV | Tutorial | C51 | Tutorial |
| Unit-IV | Tutorial | C52 | Tutorial |
| Unit-IV | Tutorial | C53 | Tutorial |
| Unit-IV | Tutorial | C54 | Tutorial |
| Unit-IV | Clarification Class | C55 | Clarification Class |
| Unit-V | Activity | C56 | Activity |
| Unit-V | Class Room Assignment | C57 | Class Assignment |
| Unit-V | Quiz | C58 | Quiz |
| Unit-V | Take Home Assignments | | Home Assignment |
| Unit-V | Introduction Microsoft Excel 2013 | | |
| Unit-V | Microsoft Excel basics | C59 | Lecture |
| Unit-V | Rearranging worksheets, excel formatting tips and techniques | C60 | Lecture |
| Unit-V | Introduction to functions | C61 | Lecture |
| Unit-V | Excel's chart buildup - features, using worksheet as databases | C62 | Lecture |
| Unit-V | Automating. Microsoft PowerPoint basics, creating presentation the easy way | C63 | Lecture |
| Unit-V | Working with text in PowerPoint | C64 | Lecture |
| Unit-V | Presentation with Power-Point: creating presentation | C65 | Lecture |
| Unit-V | Working with graphics, show time | C66 | Lecture |
| Unit-V | Sound effects and animation effects | C67 | Lecture |
| Unit-V | Tutorial | C68 | Tutorial |
| Unit-V | Tutorial | C69 | Tutorial |
| Unit-V | Tutorial | C70 | Tutorial |
| Unit-V | Tutorial | C71 | Tutorial |
| Unit-V | Clarification Class | C72 | Clarification Class |
| Unit-V | Activity | C73 | Activity |
| Unit-V | Class Room Assignment | C74 | Class Assignment |
| Unit-V | Webinar | C75 | Webinar |

**99001900-Environmental Studies**

| Unit | Particulars | Class No. | Pedagogy of Class |
|------|-------------|-----------|-------------------|
| Unit-I | Introduction to environmental studies | | Lecture |
| Unit-I | Multidisciplinary nature of environmental studies | C1 | Lecture |
| Unit-I | Multidisciplinary nature of environmental studies | C2 | Lecture |
| Unit-I | Multidisciplinary nature of environmental studies | C3 | Lecture |
| Unit-I | Scope and importance; Concept of sustainability and sustainable | C4 | Lecture |
| Unit-I | Scope and importance; Concept of sustainability and sustainable | C5 | Lecture |
| Unit-I | Scope and importance; Concept of sustainability and sustainable | C6 | Lecture |
| Unit-I | Clarification Class | C7 | Clarification Class |
| Unit-II | Ecosystems | C8 | Lecture |
| Unit-II | Structure and function of ecosystem | C9 | Lecture |
| Unit-II | Energy flow in an ecosystem: food chains | C10 | Tutorial |
| Unit-II | Food webs and ecological succession | C11 | Lecture |
| Unit-II | Forest ecosystem | C12 | Lecture |
| Unit-II | Forest ecosystem | C13 | Lecture |
| Unit-II | Grassland ecosystem | C14 | Lecture |
| Unit-II | Activity | C15 | Activity |
| Unit-II | Desert ecosystem | C16 | Class Assignment |
| Unit-II | Presentation | C17 | Presentation |
| Unit-II | Clarification Class | C18 | Clarification Class |
| Unit-III | Land resources and landuse change; | C19 | Lecture |
| Unit-III | Land degradation, soil erosion and desertification. | C20 | Lecture |
| Unit-III | Land degradation, soil erosion and desertification. | C21 | Lecture |
| Unit-III | Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. | C22 | Lecture |
| Unit-III | Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. | C23 | Lecture |
| Unit-III | Water: Use and overexploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). | C24 | Lecture |
| Unit-III | Water: Use and overexploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). | C25 | Lecture |
| Unit-III | Activity | C26 | Activity |
| Unit-III | Energy resources: Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies. | C27 | Lecture |
| Unit-III | Clarification Class | C28 | Lecture |

| | Home Assignments | | Home Assignment |
|---|---|---|---|
| Unit-IV | Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographiczoneof India | C29 | Lecture |
| Unit-IV | Biodiversity patterns and global biodiversity hot spots. | C30 | Lecture |
| Unit-IV | Biodiversity patterns and global biodiversity hot spots. | C31 | Lecture |
| Unit-IV | India as a mega biodiversity nation; Endangered and endemic species of India | C32 | |
| Unit-IV | India as a mega biodiversity nation; Endangered and endemic species of India Threats to biodiversity | C33 | Lecture |
| Unit-IV | India as a mega biodiversity nation; Endangered and endemic species of India Threats to biodiversity: | C34 | Lecture |
| Unit-IV | Class Assignment | C35 | Class Assignment |
| Unit-IV | Habitat loss, poaching of wildlife, | C36 | Lecture |
| Unit-IV | Man wildlife conflicts, biological invasions; Conservation of biodiversity: Insitu and Exsitu conservation of biodiversity. | C37 | Lecture |
| Unit-IV | Ecosystem and biodiversity services: | C38 | Lecture |
| Unit-IV | Ecological, economic, social, ethical, aesthetic and Informational value. | C39 | Lecture |
| Unit-IV | Clarification Class | C40 | Clarification Class |
| Unit-V | Presentation | C41 | Presentation |
| Unit-V | Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution. | C42 | Lecture |
| Unit-V | Home Assignments | | Home Assignment |
| Unit-V | Solid waste management: Control measures of urban and industrial waste. | C43 | Lecture |
| Unit-V | Solid waste management: Control measures of urban and industrial waste. | C44 | Lecture |
| Unit-V | Clarification Class | C45 | Lecture |
| Unit-VI | Climate change, global warming, ozone layer depletion, acid rain and impacts on human Communities and agriculture. | C46 | Lecture |
| Unit-VI | Climate change, global warming, ozone layer depletion, acid rain and impacts on human Communities and agriculture. | C47 | Lecture |
| Unit-VI | Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act | C48 | Lecture |
| Unit-VI | Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. | C49 | Lecture |

| Unit-VI | International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD). | C50 | Lecture |
|---------|------|-----|---------|
| Unit-VI | International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD). | C51 | Lecture |
| Unit-VI | Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context. | C52 | Lecture |
| Unit-VI | Resettlement and rehabilitation of project affected persons; | C53 | Lecture |
| Unit-VI | Clarification Class | C54 | Clarification Class |
| Unit-VII | Resettlement and rehabilitation of project affected | C55 | Lecture |
| Unit-VII | Activity | C56 | Activity |
| Unit-VII | Environmental movements: Chipko, Silent valley, Bishnois | C57 | Lecture |
| Unit-VII | Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. | C58 | Lecture |
| Unit-VII | Home Assignments | | Home Assignments |
| Unit-VII | Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi). | C59 | Lecture |
| Unit-VII | Clarification Class | C60 | Clarification Class |

**Note:**
This is a tentative lesson plan. The same may change from faculty to faculty as per the teaching pedagogy adopted by the faculty.


------------------- **End of document**-------------------