



**PREM CHAND MARKANDA SD COLLEGE FOR WOMEN,
JALANDHAR CITY**

Re-accredited 'A+' grade (2nd Cycle) by NAAC Bangalore

A unique, prestigious Post Graduate Institution of Northern India

**DEPARTMENT OF HISTORY: TEACHING PLAN
(Session 2025-26)**

COURSE PLAN

Department –HISTORY

Session – 2025-26

Faculty Name –Dr. Renu Bala

Class- BA B.Sc (Non Med, Economics, Computer Science)

Semester – Semester- III

Course/Paper name- Environmental Studies

Topics to be covered		
		Tools
July	The multidisciplinary nature of environmental studies Definition, scope and importance, Need for public awareness	Lecture-based teaching, learning through problem-solving, Inquiry-based learning
August	Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. (a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.	Lecture-based teaching, learning through problem-solving, Inquiry-based learning

	(b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. (c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. (d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. (e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies. (f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles. Ecosystems ☐ Concept of an ecosystem ☐ Structure and function of an ecosystem ☐ Producers, consumers and decomposers ☐ Energy flow in the ecosystem ☐ Ecological succession ☐ Food chains, food webs and ecological pyramids ☐ Introduction, types, characteristic features, structure and function of the following ecosystem: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, ocean estuaries)	
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September	Biodiversity and its conservation ☐ Introduction – Definition: genetic, species and ecosystem diversity ☐ Biogeographical classification of India ☐ Value of biodiversity: consumptive use, productive use, social, ethical aesthetic and option values ☐ Biodiversity at global, national and local levels ☐ India as a mega-diversity nation ☐ Hot-spots of biodiversity ☐ Threats to biodiversity: habitat loss, poaching of wildlife, man wildlife conflicts ☐ Endangered and endemic species of India ☐ Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity Environnemental Pollution Définition ☐ Causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear pollution ☐ Solid waste management: Causes, effects and control measures of urban and industrial wastes. ☐ Role of an individual in prevention of pollution ☐ Pollution case studies ☐ Disaster management: floods, earthquake, cyclone and landslides	Lecture-based teaching, learning through problem-solving, Inquiry-based learning Story Telling Method Doubt Clearing Session
October	Social Issues and the Environment ☐ From unsustainable to sustainable development	Lecture-based teaching, learning through problem-

	☐ Urban problems and related to energy ☐ Water conservation, rain water harvesting, watershed management ☐ Resettlement and rehabilitation of people; its problems and concerns. Case studies. ☐ Environmental ethics: Issues and possible solutions ☐ Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies. ☐ Wasteland reclamation ☐ Consumerism and waste products ☐ Environmental Protection Act, 1986 ☐ Air (Prevention and Control of Pollution) Act, 1981 ☐ Water (Prevention and control of Pollution) Act, 1974 ☐ Wildlife Protection Act ☐ Forest Conservation Act ☐ Issues involved in enforcement of environmental legislation ☐ Public awareness Human Population and the Environment ☐ Population growth, variation among nations ☐ Population Explosion – Family Welfare Programmes ☐ Environment and human health ☐ Human Rights ☐ Value Education ☐ HIV / AIDS ☐ Women and Child Welfare ☐ Role of Information Technology in Environment and Human Health	solving, Inquiry-based learning
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	☐ Case Studies	
November	Revision of the whole syllabus	
December	University Examination	

Course Outcomes

1. The students will Gain insights into the transition from unsustainable to sustainable development, focusing on practices that promote ecological balance and long-term resource use.
2. They will develop knowledge about water conservation methods, rainwater harvesting, and watershed management to address water scarcity.
3. They will explore ethical considerations in environmental decision-making and propose solutions to key ethical dilemmas.
4. They will Analyze real-world case studies to apply theoretical knowledge in addressing environmental and population-related challenges.