

Summary of Lesson Plan of Environmental Sciences (Value Added Course)

Name of College: Pt. Neki Ram Sharma Government College, Rohtak

Academic Session 2025 - 26

Semester: Odd

Name of Asstt./Ass. Prof : Dr. Priyanka Shandilya (HOD EVS)

Class: B.A. Pass, B.A. Hons, B.Sc. Pass & Hons, B.COM

Name of Subject: Environmental Sciences

01st August 2025 to 18th November 2025	
Month (August)	
Week 1 4th –9th August	Unit-1 Introduction to Environmental Studies: Multidisciplinary nature of environmental studies. Scope and importance; Concept of sustainability and sustainable development.
10th August	Sunday
Week 2 11th –16th August	Unit-1 Societal issues and environment, human population and environment.
17th August	Sunday
18th –23th August	Ecosystems: Grassland ecosystem c. Desert ecosystem d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)
24th August	Sunday
25th -30th August	Unit-2 Natural resources and associated problems. Forest Resources, Water resources, conflicts over water, dams-benefits and problems.
Month (September)	
Week 1 01st –06st September	Mineral Resources – use & exploitation, Food resources
7th September	Sunday
Week 2 8th – 13th September	Energy resources, Land resources, soil erosion and desertification. Equitable Use of resources for sustainable lifestyles
14th September	Sunday
Week 3 15th- 20th September	Unit-3 Biodiversity and its conservation, Definition: genetic, species and ecosystem diversity. Biogeographical classification of India.
21st September	Sunday
Week 4 22th – 27th September	Value of biodiversity, Biodiversity at global, National and local levels. Hot Sports of biodiversity. Threats to biodiversity.
Month (October)	
Week 1 06th – 11th October	Endangered and endemic species of India. Conservation of biodiversity: In-situ and Ex Situ conservation of biodiversity.
12th October	Sunday
Week 2 14th – 22th October	Diwali Holidays
19th September	Sunday
Week 3 23th – 25th October	Unit-4 Definition, Cause, effects and control measures of -: Air pollution , Water pollution.
26th October	Sunday
Week 4 27th – 31th October	Soil pollution, Marine pollution, Noise pollution, Thermal pollution, nuclear hazards
Month (November)	

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Class: B.A. Pass, B.A. Hons, B.Sc. Pass & Hons, B.COM

Name of Subject: Environmental Sciences

Week 1 03th – 08th November	Solid waste, Disaster management: floods, earthquake, cyclone and landslides. Climate change-green house gases, acid rain and global warming.
09th November	Sunday
Week 2 10th – 18th November	Assessment of Students (Quiz/Group discussion/Debate)
19-11-2025 to 31-12-2025	MDU Examination

Summary of Lesson Plan of Solid Waste Management (Multidisciplinary Course)

Name of College: Pt. Neki Ram Sharma Government College, Rohtak

Academic Session 2025 - 26

Semester: Odd

Name of Asstt./Ass. Prof : Dr. Priyanka Shandilya (HOD EVS)

Class: B.SC. Life Sciences, Physical Sciences, Math H 3Rd Semester

Name of Subject: EVS Solid Waste Management (MDC)

01st August 2025 to 18th November 2025	
Month (August)	
Week 1 4th –9th August	Unit-1 Sources, classification & composition of solid wastes: E-Waste
10th August	Sunday
Week 2 11th –16th August	Biomedical waste, Hazardous waste, Construction and demolition waste
17th August	Sunday
18th –23th August	plastic waste, Waste minimization technologies
24th August	Sunday
25th -30th August	Effect of waste on the environment, plants and human health.
Month (September)	
Week 1 01st –06st September	Unit -2 Standards of water quality in relation to public health - Potable and non-potable Water, Principal forms of Water Pollutants and their sources.
7th September	Sunday
Week 2 8th – 13th September	Sewage and waste water treatments systems,
14th September	Sunday
Week 3 15th- 20th September	Primary, secondary, tertiary and advance treatment, Gobar Dhan scheme 2018.
21st September	Sunday
Week 4 22th – 27th September	Solid Waste management methods:5-R's and there benefits, Swachh Bharat Mission 2014
Month (October)	
Week 1 06th – 11th October	Solid Waste Management Rules, 2016, The Construction and Demolition Waste Management Rules, 2016
12th October	Sunday
Week 2 14th – 22th October	Diwali Holidays
19th September	Sunday
Week 3 23th – 25th October	The e-waste (Management) Rules 2016, The Bio-Medical Waste Management Rules, 2016
26th October	Sunday
Week 4 27th – 31th October	Hazardous Waste Management & Handling rules, 1989.
Month (November)	
Week 1 03th – 08th November	Plastic Waste Management Rules 2016
09th November	Sunday

Summary of Lesson Plan of Solid Waste Management (Multidisciplinary Course)

Name of College: Pt. Neki Ram Sharma Government College, Rohtak

Academic Session 2025 - 26

Semester: Odd

Name of Asstt./Ass. Prof : Dr. Priyanka Shandilya (HOD EVS)

Class: B.SC. Life Sciences, Physical Sciences, Math H 3Rd Semester

Name of Subject: EVS Solid Waste Management (MDC)

Week 2 10th – 18th November	Assessment of Students (Quiz/Group discussion/Debate)
19-11-2025 to 31-12-2025	MDU Examination

Summary of Lesson Plan of Disaster Management (Multidisciplinary Course)

Name of College: Pt. Neki Ram Sharma Government College, Rohtak

Academic Session 2025 - 26

Semester: Odd

Name of Asstt./Ass. Prof : Dr. Priyanka Shandilya (HOD EVS)

Class: B.SC. Life Sciences, Physical Sciences, Chemistry H 1st Semester

Name of Subject: EVS Disaster Management (MDC)

01 st August 2025 to 18 th November 2025	
Month (August)	
Week 1 4 th –9 th August	Unit 1:- Introduction to disaster: Definition, difference between hazard and disaster, understanding natural and manmade disasters
10th August	Sunday
Week 2 11 th –16 th August	risk and vulnerability in disaster, Disaster- Causes and phases of disaster, Rapid onset and slow onset disasters
17th August	Sunday
18th –23th August	Nature and responses to geo-hazards, reasons of disaster- population growth, urban expansion, pollution, epidemics, accidents.
24th August	Sunday
25th -30th August	Disaster profile of India.
Month (September)	
Week 1 01 st –06 st September	Unit 2:- Earthquake- causes, types and impacts; Floods-types and impacts
7th September	Sunday
Week 2 8 th – 13 th September	landslides-causes and effects; drought: different types of droughts- meteorological, agricultural, hydrological and effects;
14th September	Sunday
Week 3 15 th - 20 th September	cyclone and hurricanes; tsunamis
21st September	Sunday
Week 4 22 th – 27 th September	CBRN: Chemical disasters, biological disasters, Radiological disaster, Nuclear disasters, Sociological hazards
Month (October)	
Week 1 06 th – 11 th October	Unit 3:- Disaster Preparedness and mitigation: Definition, Disaster management cycle of- earthquake, landslide
12th October	Sunday
Week 2 14 th – 22 th October	Diwali Holidays
19th September	Sunday
Week 3 23 th – 25 th October	Disaster management cycle of -: flood, drought, Cyclone. Disaster Information
26th October	Sunday
Week 4 27 th – 31 th October	Disaster Response: Disaster Rehabilitation, Reconstruction and Recovery.
Month (November)	

Summary of Lesson Plan of Disaster Management (Multidisciplinary Course)

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Semester: Odd

Name of Asstt./Ass. Prof : Dr. Priyanka Shandilya (HOD EVS)

Class: B.SC. Life Sciences, Physical Sciences, Chemistry H 1st Semester

Name of Subject: EVS Disaster Management (MDC)

Week 1 03th – 08th November	Role of National Disaster Management Authority (NDMA).
09th November	Sunday
Week 2 10th – 18th November	Assessment of Students (Quiz/Group discussion/Debate)
19-11-2025 to 31-12-2025	MDU Examination