

## Summary of Lesson Plan of Environmental Sciences (Multidisciplinary)

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

Academic Session 2024-25

Semester: Even

Name of Asstt./Ass. Prof : Sh. Manoj Hooda ( HOD EVS)

Class: B.Sc. (Non-med, Medical, Math H)

Name of Paper: Environmental Issue

| 1 <sup>st</sup> February 2025 to 31 <sup>st</sup> May 2025     |   |
|--|---|
| <b>Month (July)</b>  |   |
| <b>Week 1</b><br>3 <sup>rd</sup> – 8 <sup>th</sup> Feb         | <b>Unit -I</b> Acid Rain, Climate Change, Biodiversity loss, Ozone layer depletion                  |
| 9 <sup>th</sup> Feb  | <b>Sunday</b>   |
| <b>Week 2</b><br>10 <sup>th</sup> - 15 <sup>th</sup> Feb       | Deforestation, Resource Conservation, Sustainable Development,                                      |
| 16 <sup>th</sup> Feb   | <b>Sunday</b>   |
| <b>Week 3</b><br>17 <sup>th</sup> - 22 <sup>nd</sup> Feb       | Role of United Nations , Stockholm Summit, Rio Summit   |
| 23 <sup>rd</sup> Feb   | <b>Sunday</b>   |
| <b>Week 4</b><br>24 <sup>th</sup> – 1 <sup>st</sup> March      | <b>Unit- 2</b> Forest management, Wildlife Management, Desertification                              |
| 2 <sup>nd</sup> March  | <b>Sunday</b>   |
| <b>Month (March)</b>   |   |
| <b>Week 1</b><br>3 <sup>rd</sup> - 8 <sup>th</sup> March       | Reclamation of wetlands, mining and Environment, Open Cast Mining                                   |
| <b>Holi Break ( 9<sup>th</sup> – 16<sup>th</sup> March )</b>   |   |
| <b>Week 2</b><br>17 <sup>th</sup> - 22 <sup>nd</sup> March     | Oil Exploration and Transport,  |
| 23 <sup>rd</sup> March   | <b>Sunday</b>   |
| <b>Week 3</b><br>24 <sup>th</sup> -29 <sup>th</sup> March      | Deforestation and their Impact on Environment   |
| 30 <sup>th</sup> March   | <b>Sunday</b>   |
| <b>Month (April)</b>   |   |
| <b>Week 1</b><br>31 <sup>st</sup> March- 5 <sup>th</sup> April | <b>Unit-3</b> Cause of Air Pollution, Some important air pollutant (co, Sox, Nox, HC, Particulate ) |
| 6 <sup>th</sup> April  | <b>Sunday</b>   |
| <b>Week 2</b><br>7 <sup>th</sup> – 12 <sup>th</sup> April      | Impact of Air Pollution on Living and Non- Living   |

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|   |   |
| <b>13<sup>th</sup> April</b>                                  | <b>Sunday</b>   |
| <b>Week 3</b><br><b>14<sup>th</sup> -19<sup>th</sup></b>      | Sources of pollution of surface and ground water                |
| <b>April</b>  |   |
| <b>20<sup>th</sup> April</b>                                  | <b>Sunday</b>   |
| <b>Week 4</b><br><b>21<sup>st</sup> - 26<sup>th</sup></b>     | Solid Waste- Sources, Characterization, disposal and management |
| <b>April</b>  |   |
| <b>27<sup>th</sup> April</b>                                  | <b>Sunday</b>   |
|   | <b>Month (May)</b>  |
| <b>Week 1</b><br><b>28<sup>th</sup> -3<sup>rd</sup> May</b>   | Soil Pollution  |
| <b>4<sup>th</sup> May</b>                                     | <b>Sunday</b>   |
| <b>Week 2</b><br><b>5<sup>th</sup> - 10<sup>th</sup> May</b>  | Pollution and residual toxicity from insecticide, Pesticide     |
| <b>11<sup>th</sup> May</b>                                    | <b>Sunday</b>   |
| <b>Week 3</b><br><b>12<sup>th</sup> - 17<sup>th</sup> May</b> | Pollution and residual toxicity from fertilizer                 |
| <b>18<sup>th</sup> May</b>                                    | <b>Sunday</b>   |
| <b>Week 4</b><br><b>19<sup>th</sup> - 24<sup>th</sup> May</b> | Soil Erosion  |
| <b>25<sup>th</sup> May</b>                                    | <b>Sunday</b>   |
| <b>26<sup>th</sup> - 31<sup>st</sup> May</b>                  | <b>Revision</b>   |
|   |   |

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|--|--|
| <b>06<sup>th</sup> October</b>                                   | <b>Sunday</b>  |
| <b>Week 2<br/>07<sup>th</sup> – 12<sup>th</sup><br/>October</b>  | <b>Unit -III</b> Disaster Preparedness and mitigation                        |
| <b>13<sup>th</sup> October</b>                                   | <b>Sunday</b>  |
| <b>Week 3<br/>14<sup>th</sup> – 19<sup>th</sup><br/>October</b>  | Disaster management cycle of earthquake, flood                               |
| <b>20<sup>th</sup> October</b>                                   | <b>Sunday</b>  |
| <b>Week 4<br/>21<sup>th</sup> – 26<sup>th</sup><br/>October</b>  | Disaster management cycle of drought, landslide, cyclone                     |
|  | <b>Diwali Holidays (27<sup>th</sup> October -- 03<sup>rd</sup> November)</b> |
|  | <b>Month (November)</b>  |
| <b>Week 1<br/>04<sup>th</sup> – 09<sup>th</sup><br/>November</b> | Disaster Information   |
| <b>10<sup>th</sup> November</b>                                  | <b>Sunday</b>  |
| <b>Week 2<br/>11<sup>th</sup>–16<sup>th</sup><br/>November</b>   | Disaster Rehabilitation, Reconstruction and recovery, Role of NDMA           |
| <b>17<sup>th</sup> November</b>                                  | <b>Sunday</b>  |
| <b>Week 3<br/>18<sup>th</sup>–20<sup>th</sup><br/>November</b>   | Revision   |
| <b>23-11-2024 to<br/>20-12-2024</b>                              | <b>MDU Examination</b>   |

## Summary of Lesson Plan of Environmental Sciences (Compulsory Value Added EVS )

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

Session 2024-25

Semester: EVEN

Name of Asstt./Ass. Prof : Sh. Manoj Hooda ( HOD EVS)

Class: Geo H, Pol Sci H, Eng H, B.Com, B.A., B.Sc. N.M., B.Sc. Med, Chem H,

Name of Subject: EVS

| 3 Feb 2025 to 31 May 2025                                 |   |
|---|---|
| Month (February)  |   |
| Week 1<br>3 <sup>rd</sup> Feb – 8 <sup>th</sup>           | <b>Unit-1</b> Introduction to Environmental Studies: Multidisciplinary nature of environmental studies. Scope and importance; Concept of sustainability and sustainable development. Societal issues and environment, |
| 9 <sup>th</sup> Feb                                       | <b>Sunday</b>   |
| Week 2<br>10 <sup>TH</sup> Feb -15 <sup>th</sup> Feb      | <b>Unit-1</b> human population and environment, <b>Ecosystems</b> : Introduction, types, characteristic features, structure and function of Forest, Grassland Ecosystem   |
| 16 <sup>th</sup> Feb                                      | <b>Sunday</b>   |
| Week 3<br>17 <sup>th</sup> Feb -22 <sup>th</sup> Feb      | Desert, Aquatic ecosystems<br><b>Unit-II</b> Renewable and non-renewable resources:   |
| 23 <sup>rd</sup> Feb                                      | <b>Sunday</b>   |
| Week 4<br>24 <sup>th</sup> Feb-1st March                  | Natural resources and associated problems, Forest Resources,  |
| Month (March)   |   |
| Week 1<br>3 <sup>rd</sup> March-8 <sup>th</sup> March     | <b>Mineral resource s,Water resources</b>   |
| 9 <sup>th</sup> March-16 <sup>th</sup> march              | <b>Holi Break</b>   |
| Week 3<br>17 <sup>th</sup> March-22 <sup>th</sup> March   | Food resources ,World food problems Energy Resources (Renewable & Non – renewable)  |
| 23 <sup>rd</sup> March                                    | <b>Sunday</b>   |
| Week 4<br>24 <sup>TH</sup> March - 29 <sup>th</sup> March | Land resources, land slide, land degradation  |
| 30 <sup>th</sup> March                                    | <b>Sunday</b>   |
| Month (April)   |   |
| W eek1<br>1 <sup>st</sup> April-5 <sup>th</sup> April     | Soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.  |
| 6 <sup>th</sup> April                                     | <b>Sunday</b>   |
| Week 2<br>7 <sup>th</sup> April -12 <sup>th</sup> April   | <b>Unit-III</b> Biodiversity and its conservation, Biogeographical classification of India.   |

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**Class: Geo H, Pol Sci H, Eng H, B.Com, B.A., B.Sc. N.M., B.Sc. Med, Chem H,**

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|   |  |
|---|--|
| <b>13 April</b>   | Sunday   |
| <b>Week 3<br/>14<sup>th</sup> -19<sup>th</sup> April</b>  | Value of Biodiversity, Biodiversity at various level, Hot spots of biodiversity, Threats to biodiversity |
| <b>20<sup>th</sup> April</b>                              | <b>Sunday</b>  |
| <b>Week 4<br/>21<sup>th</sup> – 26<sup>th</sup> April</b> | Endangered and endemic species of India. Conservation of biodiversity                                    |
| <b>27<sup>th</sup> April</b>                              | <b>Sunday</b>  |
| <b>Week 5<br/>28<sup>th</sup> – 3<sup>rd</sup> May</b>    | <b>Unit IV -: Air Pollution, Water Pollution</b>   |
|   |  |
|   | <b>Month (May)</b>   |
| <b>4<sup>th</sup> May</b>                                 | <b>Sunday</b>  |
| <b>Week 1<br/>04<sup>th</sup> – 10<sup>th</sup> May</b>   | Soil pollution, Marine pollution, Noise pollution, Thermal pollution                                     |
| <b>11<sup>th</sup> May</b>                                | <b>Sunday</b>  |
| <b>Week 2<br/>12<sup>th</sup>–17<sup>th</sup> May</b>     | Nuclear hazards, Solid waste,  |
| <b>18<sup>th</sup> May</b>                                | <b>Sunday</b>  |
| <b>Week 3<br/>19<sup>th</sup> -24<sup>th</sup> May</b>    | Disaster management  |
| <b>25<sup>th</sup> May</b>                                | <b>Sunday</b>  |
| <b>Week 3<br/>26<sup>th</sup>–31<sup>st</sup> may</b>     | Revision   |
|   | <b>MDU Examination</b>   |