

**IGNOU MSC(Environment) Practical Schedule at Department of Environmental Science -
cum-Work Centre IGNOU**

**Dr. YS Parmar University of Horticulture & Forestry,
Nauni-173 230, Distt. Solan (H.P.)**

Fourth Batch----MSCENV - 1st Year - Lab Course(S) MEVL011L & MEVL012 L

Fifth Batch:- MEVL011L :- 8th April, 2026 to 21st April, 2026

Venue: Department of Environmental Science, Dr YSP UHF, Nauni, Solan

| Day | Date | Practical exercise | Theory | Hand on Exercises/ Lab Practical |
|-----|------------|---|---|--|
| 1 | 8/04/2026 | ✓ Introduction to sampling techniques of air, water and soil for determination of pollutants. | Morning Session (9:30 am -1:30 pm) | Evening Session (2:00 -6:00 pm) |
| 2 | 9/04/2026 | ✓ Determination of frequency of species by line transect method and point frame method ✓ Determination of Relative Density, Frequency and Abundance of different species present in community and calculation of IVI | | |
| 3 | 10/04/2026 | ✓ Measures of central tendency, dispersion, skewness and kurtosis ✓ Correlation and regression analysis; analysis of variance | | |
| 4 | 11/04/2026 | ✓ Determination of standing crop and biomass in Terrestrial ecosystem ✓ Determination of minimum size of the quadrat by 'species-area-curve' method | | |
| 5 | 12/04/2026 | ✓ Study on the abiotic and biotic components of an aquatic ecosystem | | |
| 6 | 13/04/2026 | ✓ Estimation of net primary productivity by harvest method in grassland ecosystem | | |
| 7 | 14/04/2026 | ✓ Estimation of net primary productivity using light and dark bottle method in aquatic ecosystem | | |
| 8 | 15/04/2026 | ✓ Estimation of biodiversity indices ✓ Weather monitoring and data analysis | | |
| 9 | 16/04/2026 | ✓ Study on soil profile and physical characteristics of soil | | |
| 10 | 17/04/2026 | ✓ Determination of soil organic carbon | | |
| 11 | 18/04/2026 | ✓ Determination of available Nitrogen in soil | | |
| 12 | 19/04/2026 | ✓ Preparation of climatic maps and diagram ✓ Identification of Igneous, Sedimentary and Metamorphic rocks | | |
| 13 | 20/04/2026 | ✓ Determination of soil moisture content ✓ Determination of soil pH and electrical conductivity | | |
| 14 | 21/04/2026 | ✓ Preparation of station based wind rose ✓ Arial photographs interpretations | | |

Proposed schedule for conducting practical Examination for the course MEVL 012, Lab course-2, Environmental Science w.e.f 22nd April, 2026 to 5th May, 2026

(Fifth Batch)

Venue: Department of Environmental Science, Dr YSP UHF, Nauni, Solan

| Day | Date | Practical Exercise | Theory | Hand on Exercises/ Lab Practical |
|-----|------------|--|---|--|
| 1 | 22/04/2026 | ✓ Determination of Electrical Conductance of a Water Sample | Morning Session (9:30 am -1:30 pm) | Evening Session (2:00 -6:00 pm) |
| 2 | 23/04/2026 | ✓ Determination of pH of a Water Sample | | |
| 3 | 24/04/2026 | ✓ Determination of Turbidity in Water | | |
| 4 | 25/04/2026 | ✓ Determination of Total Solids and Total Dissolved Solids in Water ✓ Determination of Hardness in Water Sample | | |
| 5 | 26/04/2026 | ✓ Determination of Biological Oxygen Demand in Water | | |
| 6 | 27/04/2026 | ✓ Determination of Dissolved Oxygen in Water | | |
| 7 | 28/04/2026 | ✓ Determination of Chemical Oxygen Demand in Water | | |
| 8 | 29/04/2026 | ✓ Determination of Chloride in Water Samples ✓ Determination of Residual Chlorine in Water | | |
| 9 | 30/04/2026 | ✓ Determination of Sulphates in Water | | |
| 10 | 1/05/2026 | ✓ Determination of Phosphate in Water | | |
| 11 | 2/05/2026 | ✓ Determination of Nitrate Nitrogen in water sample | | |
| 12 | 3/05/2026 | ✓ Determination of Nitrite Nitrogen in water sample | | |
| 13 | 4/05/2026 | ✓ Determination of Fluoride in Water | | |
| 14 | 5/05/2026 | ✓ Determination of Oil and Grease in Water | | |