

**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

Fourth Batch MEVL011L :- 11th March, 2026 to 24th March, 2026

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

Day	Date	Practical exercise	Theory	Hand on Exercises/ Lab Practical
1	11/03/2026	✓ 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	12/03/2026	✓ 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	13/03/2026	✓ Measures of central tendency, dispersion, skewness and kurtosis ✓ Correlation and regression analysis; analysis of variance		
4	14/03/2026	✓ Determination of standing crop and biomass in Terrestrial ecosystem ✓ Determination of minimum size of the quadrat by 'species-area-curve' method		
5	15/03/2026	✓ Study on the abiotic and biotic components of an aquatic ecosystem		
6	16/03/2026	✓ Estimation of net primary productivity by harvest method in grassland ecosystem		
7	17/03/2026	✓ Estimation of net primary productivity using light and dark bottle method in aquatic ecosystem		
8	18/03/2026	✓ Estimation of biodiversity indices ✓ Weather monitoring and data analysis		
9	19/03/2026	✓ Study on soil profile and physical characteristics of soil		
10	20/03/2026	✓ Determination of soil organic carbon		
11	21/03/2026	✓ Determination of available Nitrogen in soil		
12	22/03/2026	✓ Preparation of climatic maps and diagram ✓ Identification of Igneous, Sedimentary and Metamorphic rocks		
13	23/03/2026	✓ Determination of soil moisture content ✓ Determination of soil pH and electrical conductivity		
14	24/03/2026	✓ Preparation of station based wind rose ✓ Arial photographs interpretations		

Fourth Batch - MEVL 012 :- 25th March, 2026 to 7th April, 2026
Venue: Department of Environmental Science, Dr YSP UHF, Nauni, Solan

Day	Date	Practical Exercise	Theory	Hand on Exercises/ Lab Practical
1	25/03/2026	✓ Determination of Electrical Conductance of a Water Sample	Morning Session (9:30 am -1:30 pm)	Evening Session (2:00 -6:00 pm)
2	26/03/2026	✓ Determination of pH of a Water Sample		
3	27/03/2026	✓ Determination of Turbidity in Water		
4	28/03/2026	✓ Determination of Total Solids and Total Dissolved Solids in Water ✓ Determination of Hardness in Water Sample		
5	29/03/2026	✓ Determination of Biological Oxygen Demand in Water		
6	30/03/2026	✓ Determination of Dissolved Oxygen in Water		
7	31/03/2026	✓ Determination of Chemical Oxygen Demand in Water		
8	1/04/2026	✓ Determination of Chloride in Water Samples ✓ Determination of Residual Chlorine in Water		
9	2/04/2026	✓ Determination of Sulphates in Water		
10	3/04/2026	✓ Determination of Phosphate in Water		
11	4/04/2026	✓ Determination of Nitrate Nitrogen in water sample		
12	5/04/2026	✓ Determination of Nitrite Nitrogen in water sample		
13	6/04/2026	✓ Determination of Fluoride in Water		
14	7/04/2026	✓ Determination of Oil and Grease in Water		