

**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.)**

First Batch

(Information related to subsequent batches will be issued in due course)

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

First Batch (20th August, 2025 to 16th September 2025)

(First Batch)- MEVL011L (20th to 02 Sep. 2025)

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

Day	Date	Practical exercise	Theory	Hand on Exercises/ Lab Practical
1	20/08/2025	✓ 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	21/08/2025	✓ 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	22/08/2025	✓ Measures of central tendency, dispersion, skewness and kurtosis ✓ Correlation and regression analysis; analysis of variance		
4	23/08/2025	✓ Determination of standing crop and biomass in Terrestrial ecosystem ✓ Determination of minimum size of the quadrat by 'species-area-curve' method		
5	24/08/2025	✓ Study on the abiotic and biotic components of an aquatic ecosystem		
6	25/08/2025	✓ Estimation of net primary productivity by harvest method in grassland ecosystem		
7	26/08/2025	✓ Estimation of net primary productivity using light and dark bottle method in aquatic ecosystem		
8	27/08/2025	✓ Estimation of biodiversity indices ✓ Weather monitoring and data analysis		
9	28/08/2025	✓ Study on soil profile and physical characteristics of soil		
10	29/08/2025	✓ Determination of soil organic carbon		
11	30/08/2025	✓ Determination of available Nitrogen in soil		
12	31/08/2025	✓ Preparation of climatic maps and diagram ✓ Identification of Igneous, Sedimentary and Metamorphic rocks		
13	01/09/2025	✓ Determination of soil moisture content ✓ Determination of soil pH and electrical conductivity		
14	02/09/2025	✓ Preparation of station based wind rose ✓ Arial photographs interpretations		

MSCENV - 1st Year - Lab Course(S) MEVL012L
First Batch – 03rd September, 2025 to 16th September, 2025
(First Batch)

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

Day	Date	Practical Exercise	Theory	Hand on Exercises/ Lab Practical
1	03/09/2025	✓ Determination of Electrical Conductance of a Water Sample	Morning Session (9:30 am -1:30 pm)	Evening Session (2:00 -6:00 pm)
2	04/09/2025	✓ Determination of pH of a Water Sample		
3	05/09/2025	✓ Determination of Turbidity in Water		
4	06/09/2025	✓ Determination of Total Solids and Total Dissolved Solids in Water ✓ Determination of Hardness in Water Sample		
5	07/09/2025	✓ Determination of Biological Oxygen Demand in Water		
6	08/09/2025	✓ Determination of Dissolved Oxygen in Water		
7	09/09/2025	✓ Determination of Chemical Oxygen Demand in Water		
8	10/09/2025	✓ Determination of Chloride in Water Samples ✓ Determination of Residual Chlorine in Water		
9	11/09/2025	✓ Determination of Sulphates in Water		
10	12/09/2025	✓ Determination of Phosphate in Water		
11	13/09/2025	✓ Determination of Nitrate Nitrogen in water sample		
12	14/09/2025	✓ Determination of Nitrite Nitrogen in water sample		
13	15/09/2025	✓ Determination of Fluoride in Water		
14	16/09/2025	✓ Determination of Oil and Grease in Water		