

**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.)**

Third Batch

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

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

Third Batch (29th October, 2025 to 25th November, 2025)

Third Batch - MEVL011L -29th October, 2025 to 11th November, 2025

(Third Batch)

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

Day	Date	Practical exercise	Theory	Hand on Exercises/ Lab Practical
1	29/10/2025	✓ 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	30/10/2025	✓ 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	31/10/2025	✓ Measures of central tendency, dispersion, skewness and kurtosis ✓ Correlation and regression analysis; analysis of variance		
4	01/11/2025	✓ Determination of standing crop and biomass in Terrestrial ecosystem ✓ Determination of minimum size of the quadrat by 'species-area-curve' method		
5	02/11/2025	✓ Study on the abiotic and biotic components of an aquatic ecosystem		
6	03/11/2025	✓ Estimation of net primary productivity by harvest method in grassland ecosystem		
7	04/11/2025	✓ Estimation of net primary productivity using light and dark bottle method in aquatic ecosystem		
8	05/11/2025	✓ Estimation of biodiversity indices ✓ Weather monitoring and data analysis		
9	06/11/2025	✓ Study on soil profile and physical characteristics of soil		
10	07/11/2025	✓ Determination of soil organic carbon		
11	08/11/2025	✓ Determination of available Nitrogen in soil		

12	09/11/2025	<ul style="list-style-type: none">✓ Preparation of climatic maps and diagram✓ Identification of Igneous, Sedimentary and Metamorphic rocks		
13	10/11/2025	<ul style="list-style-type: none">✓ Determination of soil moisture content✓ Determination of soil pH and electrical conductivity		
14	11/12/2025	<ul style="list-style-type: none">✓ Preparation of station based wind rose✓ Aerial photographs interpretations		

Third Batch - MEVL012L - 12th October, 2025 to 25th November, 2025***(Third Batch)*****Venue: Department of Environmental Science, Dr YSP UHF, Nauni, Solan**

Day	Date	Practical Exercise	Theory	Hand on Exercises/ Lab Practical
1	12/11/2025	✓ Determination of Electrical Conductance of a Water Sample	Morning Session (9:30 am -1:30 pm)	Evening Session (2:00 -6:00 pm)
2	13/11/2025	✓ Determination of pH of a Water Sample		
3	14/11/2025	✓ Determination of Turbidity in Water		
4	15/11/2025	✓ Determination of Total Solids and Total Dissolved Solids in Water ✓ Determination of Hardness in Water Sample		
5	16/11/2025	✓ Determination of Biological Oxygen Demand in Water		
6	17/11/2025	✓ Determination of Dissolved Oxygen in Water		
7	18/11/2025	✓ Determination of Chemical Oxygen Demand in Water		
8	19/11/2025	✓ Determination of Chloride in Water Samples ✓ Determination of Residual Chlorine in Water		
9	20/11/2025	✓ Determination of Sulphates in Water		
10	21/11/2025	✓ Determination of Phosphate in Water		
11	22/11/2025	✓ Determination of Nitrate Nitrogen in water sample		
12	23/11/2025	✓ Determination of Nitrite Nitrogen in water sample		
13	24/11/2025	✓ Determination of Fluoride in Water		
14	25/11/2025	✓ Determination of Oil and Grease in Water		