

No.: UHF/EVS/3-63/2025/-28
Department of Environmental Science -cum-Work Centre IGNOU
Dr. YS Parmar University of Horticulture & Forestry,
Nauni-173 230, Distt. Solan (H.P.)

Senior Regional Director
IGNOU Regional Centre
Shimla-171005 (HP)

Dated: 10/04/2025

Sub: Regarding revised practical schedule of MSc Environmental Science programme of IGNOU-submission thereof.

Sir,

In reference to your email dated 9th April, 2025 kindly find enclosed herewith the revised schedule of practical of Lab course-3 (MEVL 013) of MSc Environmental Science programme. The practical of this lab courses will be conducted in five batches (38×5) for 190 students, as per lists provided by your goodself, for the duration of 8 hours in a day in the labs of this department wef 23rd April to 10th August, 2025. The list of learners allocated in five batches is also attached for your kind perusal and further necessary action, please.

Thanking you.

Yours sincerely,

Professor and Head

**Proposed schedule for conducting practical Examination for the course MEVL 013, Lab course-3,
Environmental Science w.e.f 23rd April, 2025 to 06th May, 2025**

(First Batch)

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

Day	Date	Practical exercise	Theory	Hand on Exercises/ Lab Practical
1	23/04/2025	<ul style="list-style-type: none"> ✓ Determination of Suspended Particulate Matter (SPM) in Ambient Air Using High Air Sampler (HVS) ✓ Isolation and Enumeration of Air Borne Microorganisms by All Glass Impinger Technique 	Morning Session (9:30 am -1:30 pm)	Evening Session (2:00 -6:00 pm)
2	24/04/2025	<ul style="list-style-type: none"> ✓ Determination of Sodium and Potassium in Water Using Flame Photometer 		
3	25/04/2025	<ul style="list-style-type: none"> ✓ Determination of Trace Metals in Environmental Samples using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) 		
4	26/04/2025	<ul style="list-style-type: none"> ✓ Composting of Biodegradable Waste and determination of compost quality ✓ Determination of Biogas Production from Organic Waste by Liquid Displacement Method 		
5	27/04/2025	<ul style="list-style-type: none"> ✓ Determination of Pesticides in Environmental Samples Using Gas Chromatography ✓ Separation of Amino Acids by Thin Liquid Chromatography 		
6	28/04/2025	<ul style="list-style-type: none"> ✓ Determination of Effect of Industrial Effluents on Seed Germination and Seedling Growth of Rice and Wheat ✓ Determination of Alcoholic fermentation from Grape Juice by <i>Saccharomyces cerevisiae</i> 		
7	29/04/2025	<ul style="list-style-type: none"> ✓ Sterilization, Media Preparation and Isolation of Pure Culture ✓ Determination of Gram Staining of Bacterial Sample 		
8	30/04/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Bacteria from Soil Samples ✓ Isolation and Characterization of Actinomycetes from Soil Samples 		
9	01/05/2025	<ul style="list-style-type: none"> ✓ Isolation of Pure Culture by Streak Plate Method, Pour Plate Method and Spread Plate Method 		
10	02/05/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Fungi from Soil Samples 		
11	03/05/2025	<ul style="list-style-type: none"> ✓ Determination of Metabolic Activities of Bacteria through Biochemical Tests 		
12	04/05/2025	<ul style="list-style-type: none"> ✓ Determination of Biological Activity of Soil by Dehydrogenase Assay 		
13	05/05/2025	<ul style="list-style-type: none"> ✓ Isolation of Bio-Surfactant Producing Bacteria from Environmental Samples 		
14	06/05/2025	<ul style="list-style-type: none"> ✓ Detection of Coliform in Water Samples by Membrane Filter Technique 		

**Proposed schedule for conducting practical Examination for the course MEVL 013, Lab course-3,
Environmental Science w.e.f 07th May, 2025 to 20th May, 2025**

(Second Batch)

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

Day	Date	Practical exercise	Theory	Hand on Exercises/ Lab Practical
1	07/05/2025	<ul style="list-style-type: none"> ✓ Determination of Suspended Particulate Matter (SPM) in Ambient Air Using High Air Sampler (HVS) ✓ Isolation and Enumeration of Air Borne Microorganisms by All Glass Impinger Technique 	Morning Session (9:30 am -1:30 pm)	Evening Session (2:00 -6:00 pm)
2	08/05/2025	<ul style="list-style-type: none"> ✓ Determination of Sodium and Potassium in Water Using Flame Photometer 		
3	09/05/2025	<ul style="list-style-type: none"> ✓ Determination of Trace Metals in Environmental Samples using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) 		
4	10/05/2025	<ul style="list-style-type: none"> ✓ Composting of Biodegradable Waste and determination of compost quality ✓ Determination of Biogas Production from Organic Waste by Liquid Displacement Method 		
5	11/05/2025	<ul style="list-style-type: none"> ✓ Determination of Pesticides in Environmental Samples Using Gas Chromatography ✓ Separation of Amino Acids by Thin Liquid Chromatography 		
6	12/05/2025	<ul style="list-style-type: none"> ✓ Determination of Effect of Industrial Effluents on Seed Germination and Seedling Growth of Rice and Wheat ✓ Determination of Alcoholic fermentation from Grape Juice by <i>Saccharomyces cerevisiae</i> 		
7	13/05/2025	<ul style="list-style-type: none"> ✓ Sterilization, Media Preparation and Isolation of Pure Culture ✓ Determination of Gram Staining of Bacterial Sample 		
8	14/05/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Bacteria from Soil Samples ✓ Isolation and Characterization of Actinomycetes from Soil Samples 		
9	15/05/2025	<ul style="list-style-type: none"> ✓ Isolation of Pure Culture by Streak Plate Method, Pour Plate Method and Spread Plate Method 		
10	16/05/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Fungi from Soil Samples 		
11	17/05/2025	<ul style="list-style-type: none"> ✓ Determination of Metabolic Activities of Bacteria through Biochemical Tests 		
12	18/05/2025	<ul style="list-style-type: none"> ✓ Determination of Biological Activity of Soil by Dehydrogenase Assay 		
13	19/05/2025	<ul style="list-style-type: none"> ✓ Isolation of Bio-Surfactant Producing Bacteria from Environmental Samples 		
14	20/05/2025	<ul style="list-style-type: none"> ✓ Detection of Coliform in Water Samples by Membrane Filter Technique 		

**Proposed schedule for conducting practical Examination for the course MEVL 013, Lab course-3,
Environmental Science w.e.f 21st May, 2025 to 03rd June, 2025**

(Third Batch)

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

Day	Date	Practical exercise	Theory	Hand on Exercises/ Lab Practical
1	21/05/2025	<ul style="list-style-type: none"> ✓ Determination of Suspended Particulate Matter (SPM) in Ambient Air Using High Air Sampler (HVS) ✓ Isolation and Enumeration of Air Borne Microorganisms by All Glass Impinger Technique 	Morning Session (9:30 am -1:30 pm)	Evening Session (2:00 -6:00 pm)
2	22/05/2025	<ul style="list-style-type: none"> ✓ Determination of Sodium and Potassium in Water Using Flame Photometer 		
3	23/05/2025	<ul style="list-style-type: none"> ✓ Determination of Trace Metals in Environmental Samples using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) 		
4	24/05/2025	<ul style="list-style-type: none"> ✓ Composting of Biodegradable Waste and determination of compost quality ✓ Determination of Biogas Production from Organic Waste by Liquid Displacement Method 		
5	25/05/2025	<ul style="list-style-type: none"> ✓ Determination of Pesticides in Environmental Samples Using Gas Chromatography ✓ Separation of Amino Acids by Thin Liquid Chromatography 		
6	26/05/2025	<ul style="list-style-type: none"> ✓ Determination of Effect of Industrial Effluents on Seed Germination and Seedling Growth of Rice and Wheat ✓ Determination of Alcoholic fermentation from Grape Juice by <i>Saccharomyces cerevisiae</i> 		
7	27/05/2025	<ul style="list-style-type: none"> ✓ Sterilization, Media Preparation and Isolation of Pure Culture ✓ Determination of Gram Staining of Bacterial Sample 		
8	28/05/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Bacteria from Soil Samples ✓ Isolation and Characterization of Actinomycetes from Soil Samples 		
9	29/05/2025	<ul style="list-style-type: none"> ✓ Isolation of Pure Culture by Streak Plate Method, Pour Plate Method and Spread Plate Method 		
10	30/05/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Fungi from Soil Samples 		
11	31/05/2025	<ul style="list-style-type: none"> ✓ Determination of Metabolic Activities of Bacteria through Biochemical Tests 		
12	01/06/2025	<ul style="list-style-type: none"> ✓ Determination of Biological Activity of Soil by Dehydrogenase Assay 		
13	02/06/2025	<ul style="list-style-type: none"> ✓ Isolation of Bio-Surfactant Producing Bacteria from Environmental Samples 		
14	03/06/2025	<ul style="list-style-type: none"> ✓ Detection of Coliform in Water Samples by Membrane Filter Technique 		

**Proposed schedule for conducting practical Examination for the course MEVL 013, Lab course-3,
Environmental Science w.e.f 14th July, 2025 to 27th July, 2025**

(Fourth Batch)

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

Day	Date	Practical exercise	Theory	Hand on Exercises/ Lab Practical
1	14/07/2025	<ul style="list-style-type: none"> ✓ Determination of Suspended Particulate Matter (SPM) in Ambient Air Using High Air Sampler (HVS) ✓ Isolation and Enumeration of Air Borne Microorganisms by All Glass Impinger Technique 	Morning Session (9:30 am -1:30 pm)	Evening Session (2:00 -6:00 pm)
2	15/07/2025	<ul style="list-style-type: none"> ✓ Determination of Sodium and Potassium in Water Using Flame Photometer 		
3	16/07/2025	<ul style="list-style-type: none"> ✓ Determination of Trace Metals in Environmental Samples using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) 		
4	17/07/2025	<ul style="list-style-type: none"> ✓ Composting of Biodegradable Waste and determination of compost quality ✓ Determination of Biogas Production from Organic Waste by Liquid Displacement Method 		
5	18/07/2025	<ul style="list-style-type: none"> ✓ Determination of Pesticides in Environmental Samples Using Gas Chromatography ✓ Separation of Amino Acids by Thin Liquid Chromatography 		
6	19/07/2025	<ul style="list-style-type: none"> ✓ Determination of Effect of Industrial Effluents on Seed Germination and Seedling Growth of Rice and Wheat ✓ Determination of Alcoholic fermentation from Grape Juice by <i>Saccharomyces cerevisiae</i> 		
7	20/07/2025	<ul style="list-style-type: none"> ✓ Sterilization, Media Preparation and Isolation of Pure Culture ✓ Determination of Gram Staining of Bacterial Sample 		
8	21/07/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Bacteria from Soil Samples ✓ Isolation and Characterization of Actinomycetes from Soil Samples 		
9	22/07/2025	<ul style="list-style-type: none"> ✓ Isolation of Pure Culture by Streak Plate Method, Pour Plate Method and Spread Plate Method 		
10	23/07/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Fungi from Soil Samples 		
11	24/07/2025	<ul style="list-style-type: none"> ✓ Determination of Metabolic Activities of Bacteria through Biochemical Tests 		
12	25/07/2025	<ul style="list-style-type: none"> ✓ Determination of Biological Activity of Soil by Dehydrogenase Assay 		
13	26/07/2025	<ul style="list-style-type: none"> ✓ Isolation of Bio-Surfactant Producing Bacteria from Environmental Samples 		
14	27/07/2025	<ul style="list-style-type: none"> ✓ Detection of Coliform in Water Samples by Membrane Filter Technique 		

**Proposed schedule for conducting practical Examination for the course MEVL 013, Lab course-3,
Environmental Science w.e.f 28th July, 2025 to 10th August, 2025**

(Fifth Batch)

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

Day	Date	Practical exercise	Theory	Hand on Exercises/ Lab Practical
1	28/07/2025	<ul style="list-style-type: none"> ✓ Determination of Suspended Particulate Matter (SPM) in Ambient Air Using High Air Sampler (HVS) ✓ Isolation and Enumeration of Air Borne Microorganisms by All Glass Impinger Technique 	<p align="center">Morning Session (9:30 am -1:30 pm)</p>	<p align="center">Evening Session (2:00 -6:00 pm)</p>
2	29/07/2025	<ul style="list-style-type: none"> ✓ Determination of Sodium and Potassium in Water Using Flame Photometer 		
3	30/07/2025	<ul style="list-style-type: none"> ✓ Determination of Trace Metals in Environmental Samples using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) 		
4	31/07/2025	<ul style="list-style-type: none"> ✓ Composting of Biodegradable Waste and determination of compost quality ✓ Determination of Biogas Production from Organic Waste by Liquid Displacement Method 		
5	01/08/2025	<ul style="list-style-type: none"> ✓ Determination of Pesticides in Environmental Samples Using Gas Chromatography ✓ Separation of Amino Acids by Thin Liquid Chromatography 		
6	02/08/2025	<ul style="list-style-type: none"> ✓ Determination of Effect of Industrial Effluents on Seed Germination and Seedling Growth of Rice and Wheat ✓ Determination of Alcoholic fermentation from Grape Juice by <i>Saccharomyces cerevisiae</i> 		
7	03/08/2025	<ul style="list-style-type: none"> ✓ Sterilization, Media Preparation and Isolation of Pure Culture ✓ Determination of Gram Staining of Bacterial Sample 		
8	04/08/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Bacteria from Soil Samples ✓ Isolation and Characterization of Actinomycetes from Soil Samples 		
9	05/08/2025	<ul style="list-style-type: none"> ✓ Isolation of Pure Culture by Streak Plate Method, Pour Plate Method and Spread Plate Method 		
10	06/08/2025	<ul style="list-style-type: none"> ✓ Isolation and Characterization of Fungi from Soil Samples 		
11	07/08/2025	<ul style="list-style-type: none"> ✓ Determination of Metabolic Activities of Bacteria through Biochemical Tests 		
12	08/08/2025	<ul style="list-style-type: none"> ✓ Determination of Biological Activity of Soil by Dehydrogenase Assay 		
13	09/08/2025	<ul style="list-style-type: none"> ✓ Isolation of Bio-Surfactant Producing Bacteria from Environmental Samples 		
14	10/08/2025	<ul style="list-style-type: none"> ✓ Detection of Coliform in Water Samples by Membrane Filter Technique 		