

**Proposed schedule for conducting practical Examination for the course MEVL 013, Lab course-3,  
Environmental Science w.e.f 20<sup>th</sup> August, 2026 to 02<sup>nd</sup> September, 2026  
(First Batch)**

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

| Day | Date       | Practical exercise                                                                                                                                                                                                                                                   | Theory                                                  | Hand on Exercises/ Lab Practical                     |
|-----|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------|
| 1   | 20/08/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Suspended Particulate Matter (SPM) in Ambient Air Using High Air Sampler (HVS)</li> <li>✓ Isolation and Enumeration of Air Borne Microorganisms by All Glass Impinger Technique</li> </ul>                 | <b>Morning Session</b><br><br><b>(9:30 am -1:30 pm)</b> | <b>Evening Session</b><br><br><b>(2:00 -6:00 pm)</b> |
| 2   | 21/08/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Sodium and Potassium in Water Using Flame Photometer</li> </ul>                                                                                                                                            |                                                         |                                                      |
| 3   | 22/08/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Trace Metals in Environmental Samples using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)</li> </ul>                                                                                  |                                                         |                                                      |
| 4   | 23/08/2026 | <ul style="list-style-type: none"> <li>✓ Composting of Biodegradable Waste and determination of compost quality</li> <li>✓ Determination of Biogas Production from Organic Waste by Liquid Displacement Method</li> </ul>                                            |                                                         |                                                      |
| 5   | 24/08/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Pesticides in Environmental Samples Using Gas Chromatography</li> <li>✓ Separation of Amino Acids by Thin Liquid Chromatography</li> </ul>                                                                 |                                                         |                                                      |
| 6   | 25/08/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Effect of Industrial Effluents on Seed Germination and Seedling Growth of Rice and Wheat</li> <li>✓ Determination of Alcoholic fermentation from Grape Juice by <i>Saccharomyces cerevisiae</i></li> </ul> |                                                         |                                                      |
| 7   | 26/08/2026 | <ul style="list-style-type: none"> <li>✓ Sterilization, Media Preparation and Isolation of Pure Culture</li> <li>✓ Determination of Gram Staining of Bacterial Sample</li> </ul>                                                                                     |                                                         |                                                      |
| 8   | 27/08/2026 | <ul style="list-style-type: none"> <li>✓ Isolation and Characterization of Bacteria from Soil Samples</li> <li>✓ Isolation and Characterization of Actinomycetes from Soil Samples</li> </ul>                                                                        |                                                         |                                                      |
| 9   | 28/08/2026 | <ul style="list-style-type: none"> <li>✓ Isolation of Pure Culture by Streak Plate Method, Pour Plate Method and Spread Plate Method</li> </ul>                                                                                                                      |                                                         |                                                      |
| 10  | 29/08/2026 | <ul style="list-style-type: none"> <li>✓ Isolation and Characterization of Fungi from Soil Samples</li> </ul>                                                                                                                                                        |                                                         |                                                      |
| 11  | 30/08/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Metabolic Activities of Bacteria through Biochemical Tests</li> </ul>                                                                                                                                      |                                                         |                                                      |
| 12  | 31/08/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Biological Activity of Soil by Dehydrogenase Assay</li> </ul>                                                                                                                                              |                                                         |                                                      |
| 13  | 01/09/2026 | <ul style="list-style-type: none"> <li>✓ Isolation of Bio-Surfactant Producing Bacteria from Environmental Samples</li> </ul>                                                                                                                                        |                                                         |                                                      |
| 14  | 02/09/2026 | <ul style="list-style-type: none"> <li>✓ Detection of Coliform in Water Samples by Membrane Filter Technique</li> </ul>                                                                                                                                              |                                                         |                                                      |

**Proposed schedule for conducting practical Examination for the course MEVL 013, Lab course-3,  
Environmental Science w.e.f 03<sup>rd</sup> to 16<sup>th</sup> September, 2026  
(Second Batch)**

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

| Day | Date       | Practical Exercise                                                                                                                                                                                                                                                   | Theory                                                  | Hand on Exercises/ Lab Practical                     |
|-----|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------|
| 1   | 03/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Suspended Particulate Matter (SPM) in Ambient Air Using High Air Sampler (HVS)</li> <li>✓ Isolation and Enumeration of Air Borne Microorganisms by All Glass Impinger Technique</li> </ul>                 | <b>Morning Session</b><br><br><b>(9:30 am -1:30 pm)</b> | <b>Evening Session</b><br><br><b>(2:00 -6:00 pm)</b> |
| 2   | 04/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Sodium and Potassium in Water Using Flame Photometer</li> </ul>                                                                                                                                            |                                                         |                                                      |
| 3   | 05/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Trace Metals in Environmental Samples using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)</li> </ul>                                                                                  |                                                         |                                                      |
| 4   | 06/09/2026 | <ul style="list-style-type: none"> <li>✓ Composting of Biodegradable Waste and determination of compost quality</li> <li>✓ Determination of Biogas Production from Organic Waste by Liquid Displacement Method</li> </ul>                                            |                                                         |                                                      |
| 5   | 07/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Pesticides in Environmental Samples Using Gas Chromatography</li> <li>✓ Separation of Amino Acids by Thin Liquid Chromatography</li> </ul>                                                                 |                                                         |                                                      |
| 6   | 08/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Effect of Industrial Effluents on Seed Germination and Seedling Growth of Rice and Wheat</li> <li>✓ Determination of Alcoholic fermentation from Grape Juice by <i>Saccharomyces cerevisiae</i></li> </ul> |                                                         |                                                      |
| 7   | 09/09/2026 | <ul style="list-style-type: none"> <li>✓ Sterilization, Media Preparation and Isolation of Pure Culture</li> <li>✓ Determination of Gram Staining of Bacterial Sample</li> </ul>                                                                                     |                                                         |                                                      |
| 8   | 10/09/2026 | <ul style="list-style-type: none"> <li>✓ Isolation and Characterization of Bacteria from Soil Samples</li> <li>✓ Isolation and Characterization of Actinomycetes from Soil Samples</li> </ul>                                                                        |                                                         |                                                      |
| 9   | 11/09/2026 | <ul style="list-style-type: none"> <li>✓ Isolation of Pure Culture by Streak Plate Method, Pour Plate Method and Spread Plate Method</li> </ul>                                                                                                                      |                                                         |                                                      |
| 10  | 12/09/2026 | <ul style="list-style-type: none"> <li>✓ Isolation and Characterization of Fungi from Soil Samples</li> </ul>                                                                                                                                                        |                                                         |                                                      |
| 11  | 13/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Metabolic Activities of Bacteria through Biochemical Tests</li> </ul>                                                                                                                                      |                                                         |                                                      |
| 12  | 14/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Biological Activity of Soil by Dehydrogenase Assay</li> </ul>                                                                                                                                              |                                                         |                                                      |
| 13  | 15/09/2026 | <ul style="list-style-type: none"> <li>✓ Isolation of Bio-Surfactant Producing Bacteria from Environmental Samples</li> </ul>                                                                                                                                        |                                                         |                                                      |
| 14  | 16/09/2026 | <ul style="list-style-type: none"> <li>✓ Detection of Coliform in Water Samples by Membrane Filter Technique</li> </ul>                                                                                                                                              |                                                         |                                                      |



**Proposed schedule for conducting practical Examination for the course MEVL 013, Lab course-3, Environmental Science w.e.f 17<sup>th</sup> to 30<sup>th</sup> September, 2026**

**(Third Batch)**

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

| Day | Date       | Practical exercise                                                                                                                                                                                                                                                   | Theory                                                  | Hand on Exercises/ Lab Practical                     |
|-----|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------|
| 1   | 17/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Suspended Particulate Matter (SPM) in Ambient Air Using High Air Sampler (HVS)</li> <li>✓ Isolation and Enumeration of Air Borne Microorganisms by All Glass Impinger Technique</li> </ul>                 | <b>Morning Session</b><br><br><b>(9:30 am -1:30 pm)</b> | <b>Evening Session</b><br><br><b>(2:00 -6:00 pm)</b> |
| 2   | 18/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Sodium and Potassium in Water Using Flame Photometer</li> </ul>                                                                                                                                            |                                                         |                                                      |
| 3   | 19/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Trace Metals in Environmental Samples using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)</li> </ul>                                                                                  |                                                         |                                                      |
| 4   | 20/09/2026 | <ul style="list-style-type: none"> <li>✓ Composting of Biodegradable Waste and determination of compost quality</li> <li>✓ Determination of Biogas Production from Organic Waste by Liquid Displacement Method</li> </ul>                                            |                                                         |                                                      |
| 5   | 21/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Pesticides in Environmental Samples Using Gas Chromatography</li> <li>✓ Separation of Amino Acids by Thin Liquid Chromatography</li> </ul>                                                                 |                                                         |                                                      |
| 6   | 22/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Effect of Industrial Effluents on Seed Germination and Seedling Growth of Rice and Wheat</li> <li>✓ Determination of Alcoholic fermentation from Grape Juice by <i>Saccharomyces cerevisiae</i></li> </ul> |                                                         |                                                      |
| 7   | 23/09/2026 | <ul style="list-style-type: none"> <li>✓ Sterilization, Media Preparation and Isolation of Pure Culture</li> <li>✓ Determination of Gram Staining of Bacterial Sample</li> </ul>                                                                                     |                                                         |                                                      |
| 8   | 24/09/2026 | <ul style="list-style-type: none"> <li>✓ Isolation and Characterization of Bacteria from Soil Samples</li> <li>✓ Isolation and Characterization of Actinomycetes from Soil Samples</li> </ul>                                                                        |                                                         |                                                      |
| 9   | 25/09/2026 | <ul style="list-style-type: none"> <li>✓ Isolation of Pure Culture by Streak Plate Method, Pour Plate Method and Spread Plate Method</li> </ul>                                                                                                                      |                                                         |                                                      |
| 10  | 26/09/2026 | <ul style="list-style-type: none"> <li>✓ Isolation and Characterization of Fungi from Soil Samples</li> </ul>                                                                                                                                                        |                                                         |                                                      |
| 11  | 27/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Metabolic Activities of Bacteria through Biochemical Tests</li> </ul>                                                                                                                                      |                                                         |                                                      |
| 12  | 28/09/2026 | <ul style="list-style-type: none"> <li>✓ Determination of Biological Activity of Soil by Dehydrogenase Assay</li> </ul>                                                                                                                                              |                                                         |                                                      |
| 13  | 29/09/2026 | <ul style="list-style-type: none"> <li>✓ Isolation of Bio-Surfactant Producing Bacteria from Environmental Samples</li> </ul>                                                                                                                                        |                                                         |                                                      |
| 14  | 30/09/2026 | <ul style="list-style-type: none"> <li>✓ Detection of Coliform in Water Samples by Membrane Filter Technique</li> </ul>                                                                                                                                              |                                                         |                                                      |