

**Practical Counseling Schedule for BSCG Programme TEE June- 2024**  
**Venue: Microbiology Deptt., Govt. Holkar Science College Indore, 452001**

Session Practical Counseling	Date	Timing		Block	Topic to be covered (Block/Unit)
		From	To		
<b>BBYCL-134 PLANT ECOLOGY AND TAXONOMY LABORATORY</b>	14/10/2024	09:00AM	01:00PM		<b>Experiment-1</b> Introduction to Plant Ecology and Taxonomy Laboratory
	14/10/2024	01:30PM	05:30PM		<b>Experiment-2</b> Study of Instruments Used to Measure Microclimatic
	15/10/2024	09:00AM	01:00PM		<b>Experiment-3</b> Determination of Ph and Analysis of Two Soil Samples for Carbonates, Chlorides, Nitrates, Sulphates.....
	15/10/2024	01:30PM	05:30PM		<b>Experiment-4</b> Comparison of Bulk Density, Porosity and Rate of Infiltration of Water in Soil of Three Habitats
	16/10/2024	09:00AM	01:00PM		<b>Experiment-5</b> Study of Ecological Adaptation in Plants,
	16/10/2024	01:30PM	05:30PM		<b>Experiment-6</b> Determination of Minimal Quadrat Size for the Study of Herbaceous..
	18/10/2024	09:00AM	01:00PM		<b>Experiment-7</b> Quantitative Analysis of Herbaceous Vegetation for Frequency .....
	18/10/2024	01:30PM	05:30PM		<b>Experiment-8</b> To Study the Vegetative and Floral Characters of Some Dicot and .....
	19/10/2024	09:00AM	01:00PM		<b>Experiment-9</b> Mounting of A Properly Dried and Pressed .....
	19/10/2024	01:30PM	05:30PM		Viva Exam

**Note:**

1. Attendances for practical courses are 100% compulsory in all the sessions.
2. All learners are required to go through the study materials for the above mentioned courses.
3. All students need to get a minimum of 40% of marks in practicals to clear the Programme.
4. In case you have laptop, please bring with you for practice of different software


Dr. Smiriti Gargava  
Deputy Director

Dr. Bini Toms  
Sr. Regional Director



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<b>BBYCL-136</b> <b>PLANT ANATOMY</b> <b>AND EMBRYOLOGY</b> <b>LABORATORY</b>	21/10/2024	09:00AM	01:00PM		<b>Experiment-1</b> To Study Plant Tissues <b>Experiment-2</b> To Study Primary Meristems
	21/10/2024	01:30PM	05:30PM		<b>Experiment-3</b> To Study the Internal Structure of Monocot and Dicot Stem
	22/10/2024	09:00AM	01:00PM		<b>Experiment-4</b> To Study the Internal Structure of Monocot and Dicot Root
	22/10/2024	01:30PM	05:30PM		<b>Experiment-5</b> To Study the Internal Structure of Monocot and Dicot Leaf
	22/10/2024	01:30PM	05:30PM		<b>Experiment-6</b> To Study Secondary Growth in Dicot Stem and Dicot Root
	23/10/2024	09:00AM	01:00PM		<b>Experiment-7</b> Study of a Xerophyte Leaf and a Hydrophyte Stem
	23/10/2024	01:30PM	05:30PM		<b>Experiment-8</b> Study of the Structure of Anther and Tapetum
	24/10/2024	09:00AM	01:00PM		<b>Experiment-9</b> Study of the Types of Ovules with the Help of Permanent Slides
	24/10/2024	01:30PM	05:30PM		<b>Experiment-10</b> To Study the Female Gametophyte-Polygonum Type of Embryo Sac
	25/10/2024	09:00AM	01:00PM		<b>Experiment-11</b> Study of Ultrastructure of Mature Egg Apparatus Cells Through Electron Micrographs
	25/10/2024	01:30PM	05:30PM		<b>Experiment-12</b> To Study Pollination Types and Seed Dispersal ..., <b>Experiment-13</b> To Dissect Endosperm from Developing Seed
	26/10/2024	09:00AM	01:00PM		<b>Experiment-13</b> To Calculate Percentage of Germinated Pollen in a Given Medium
	26/10/2024	01:30PM	05:30PM		<b>Viva Exam</b>

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*(Signature)*  
**Coordinator**  
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<b>BBYCL-138</b> <b>PLANT PHYSIOLOGY</b> <b>AND METABOLISM:</b> <b>LABORATORY</b>	05/11/2024	09:00AM	01:00PM		<b>Experiment-1</b> To Determine the Osmotic Potential of Plant Cell Sap by Plasmolytic Method
	05/11/2024	01:30PM	05:30PM		<b>Experiment-2</b> To Study the Effect of Two Environmental Factors (Light and Wind Velocity) on Transpiration by an Excised
	06/11/2024	09:00AM	01:00PM		<b>Experiment-3</b> To Determine the Stomatal Index and Stomatal Frequency in a Mesophyte and Xerophyte
	06/11/2024	01:30PM	05:30PM		<b>Experiment-4</b> To Demonstrate Hill Reaction
	07/11/2024	09:00AM	01:00PM		<b>Experiment-5</b> To Demonstrate the Activity of Catalase and Study the Effect of Ph and Enzyme Concentration
	07/11/2024	01:30PM	05:30PM		<b>Experiment-6</b> To Study the Effect of Light Intensity and Bicarbonate Concentration on O <sub>2</sub> Evolution in Photosynthesis
	08/11/2024	09:00AM	01:00PM		<b>Experiment-7</b> To Compare the Rate of Respiration in any Two Parts of a Plant
	08/11/2024	01:30PM	05:30PM		<b>Experiment-8</b> To Separate Amino Acids by Paper Chromatograph
	09/11/2024	09:00AM	01:00PM		<b>Viva Exam</b>

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