



Indira Gandhi National Open University
REGIONAL CENTRE BHOPAL

Practical Counseling Schedule for BSCG/H Programme TEE December- 2025
Venue: Microbiology Department Govt. Holkar Science College, Indore, Madhya Pradesh

Practical Counseling	Date	Timing		Topic to be covered (Block/Unit)
		Morning	Evening	
BBYEL-142 Call and Molecular Biology: Laboratory	16/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	Experiment 1. To determine the osmotic potential of plant cell sap by plasmolytic method; Experiment 2. To study the effect of two environmental factors (light and wind) on transpiration by excised twig; Experiment 3. To calculate the stomatal index and stomatal frequency of a mesophyte and a xerophytes; Experiment 4. To demonstrate Hill reaction; Experiment 5. To demonstrate the activity of catalase and study the effect of pH and enzyme concentration; Experiment 6. To study the effect of light intensity and bicarbonate concentration on O ₂ evolution in photosynthesis; Experiment 7. To compare the rate of respiration in any two parts of a plant; Experiment 8. To separate the amino acids by paper chromatograph Practical Examination and viva voce
	17/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	18/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	19/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	20/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	21/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	

Important points

1. For Lab courses of 02 credits, there are 06 days of practical session. The practical examination will be organized on the last day of practical.
2. Attendance (as per University rules) is compulsory for laboratory course work.
3. Please keep your identity card with you whenever you visit any IGNOU Study Centre/Regional Centre.

With Best Wishes

Sd. **Coordinator**

Dr. Sanjay Vyas **Indira Gandhi National Open University** Dr. Smriti Gargava
(Study Center Coordinator) 506 Holkar Science College, (Deputy Director)
Indore, Madhya Pradesh IGNOU Regional Centre Bhopal

Dr. U.C.Pandey
(Senior Regional Director)
IGNOU Regional Centre Bhopal

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Practical Counseling BBYEL-144 Economy Botany and Biotechnology: Laboratory	Date	Timing		Topic to be covered (Block/Unit)
		Morning	Evening	
	23/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	Experiment 1. To determine the osmotic potential of plant cell sap by plasmolytic method; Experiment 2. To study the effect of two environmental factors (light and wind) on transpiration by excised twig; Experiment 3. To calculate the stomatal index and stomatal frequency of a mesophyte and a xerophytes; Experiment 4. To demonstrate Hill reaction; Experiment 5. To demonstrate the activity of catalase and study the effect of pH and enzyme concentration; Experiment 6. To study the effect of light intensity and bicarbonate concentration on O ₂ evolution in photosynthesis; Experiment 7. To compare the rate of respiration in any two parts of a plant; Experiment 8. To separate the amino acids by paper chromatograph Practical Examination and viva voce
	24/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	25/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	26/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	27/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	28/02/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	

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Coordinator

Sd. Dr. Sanjay Vyasa
Dr. Sanjay Vyasa
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1506, Govt HSC Indore

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Venue: Microbiology Department Govt. Holkar Science College, Indore, Madhya Pradesh**

Practical Counseling	Date	Timing		Topic to be covered (Block/Unit)
		Morning	Evening	
BBYCL-138 Plant Physiology and Metabolism: Laboratory	01/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	Experiment 1. To determine the osmotic potential of plant cell sap by plasmolytic method; Experiment 2. To study the effect of two environmental factors (light and wind) on transpiration by excised twig; Experiment 3. To calculate the stomatal index and stomatal frequency of a mesophyte and a xerophytes; Experiment 4. To demonstrate Hill reaction; Experiment 5. To demonstrate the activity of catalase and study the effect of pH and enzyme concentration; Experiment 6. To study the effect of light intensity and bicarbonate concentration on O ₂ evolution in photosynthesis; Experiment 7. To compare the rate of respiration in any two parts of a plant; Experiment 8. To separate the amino acids by paper chromatograph Practical Examination and viva voce
	02/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	05/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	06/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	07/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	09/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	

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Practical Counseling Schedule for BSCG/H Programme TEE December- 2025
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Practical Counseling	Date	Timing		Topic to be covered (Block/Unit)
		Morning	Evening	
BBYCL-136 Plant Anatomy and Embryology	10/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	Exercise 1- To Study Plant Tissues Exercise 2- To Study Primary Meristems Exercise 3- To Study the internal Structure of Monocot and Dicot Stem Exercise 4- To Study the internal Structure of Monocot and Dicot Root Exercise 5- To Study the internal Structure of Monocot and Dicot Leaf Exercise 6- To Study the Secondary Growth in Dicot Stem and Dicot Root Exercise 7- Study of a Xerophytes Leaf and a Hydrophytes Stem Exercise 8- To Study the Structure of another and Tapetum Exercise 9- To Study the Type of Ovules with the help of Permanent Slides Exercise 10- To Study the Female Gametophyte – Polygonum Type of Embryo Sac
	11/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	12/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	13/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	Exercise 11- To Study Ultrastructure of Mature Egg Apparatus Cells Through Electron Micrographs Exercise 12- To Study Pollination Types and Seed Dispersal Mechanisms with the help of Photographs and Specimens Exercise 13- To Dissect Endosperm from Developing Seed Exercise 14- To Calculate Percentage of Germinated Pollen in Given Medium
	14/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	16/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	

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REGIONAL CENTRE BHOPAL
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Practical Counseling	Date	Timing		Topic to be covered (Block/Unit)
		Morning	Evening	
BBYCL-134 Plant Ecology and Taxonomy- Laboratory	17/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	Exercise 1- Introduction Exercise 2- Instruments to measure microclimatic variables Exercise 3- Determination of PH, Rapid Field test for chloride, nitrate, Sulphate, organic matter in soil Exercise 4- Determination of bulk density, porosity and rate of infiltration of water in soil from different habitats Exercise 5- Study of ecological adaptations in plants Exercise 6- Minimal quadrat study of frequency of vegetation in the college campus by species area curve method Exercise 7- Quantitative analysis of frequency of vegetation and compression using Raunchier's frequency distribution law Exercise 8- Study of vegetative and floral characteristics of some Dicot and Monocot Families Exercise 9- Mounting of a properly dried and pressed specimen of any common wild plant with herbarium label Practical Examination and viva voce
	18/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	23/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	24/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	25/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	
	26/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	

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REGIONAL CENTRE BHOPAL

Practical Counseling and exam Schedule for BSCG/H Programme TEE December- 2025
Venue: Microbiology Department Govt. Holkar Science College, Indore, Madhya Pradesh

Practical Counseling	Date	Timing		Topic to be covered (Block/Unit)	Academic Counselor
		Morning	Evening		
BBYCL-132 Biodiversity (Microbes, Algae, Fungi and Archegoniatates)	28/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM	Introduction, Exercise-01 E.M. phage, E. M. TMV, E.M. lytic and E.M. lysogenic cycle. Exercise-02 Type of bacteria, E.M. bacterial cell, E.M. conjugation. Exercise-03 Gram-staining. Exercise-04 Fucus, Polysiphonia, Nostoc, Chlamydomonas, Oedogonium, Vancheria. Exercise-05 Rhizopus, Pencillium. Exercise-06 Alternaria, Exercise-07 Puccinia, Exercise-08 Agaricus, Exercise-09 & Exercise-010 Lichens, Mycorrhiza Exercise-011 Marchantia, Exercise-012 Funaria, Exercise-013 Selaginella. Exercise-014 Equisetum, Exercise-015 Pteris Exercise-016 Cycas Exercise-017 Pinus Practical Examination and Viva	Dr. Sanjay Vyas Address: Govt. Holkar Science College drvvas25@gmail.co in
	30/03/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM		
	01/04/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM		
	02/04/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM		
	04/04/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM		
	06/04/2026	09.00AM to 01.00 PM	01.30 PM to 05.30 PM		

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