



**Indira Gandhi National Open University
REGIONAL CENTRE BHOPAL**

**Practical Counseling Schedule for BSCG Programme, TEE June - 2024
Venue: Physics Department Govt. Motilal Vigyan Mahavidhyalay, Bhopal Madhya Pradesh**

Session Practical Counseling	Date	Timing		Topic to be covered (Block/Unit)	Academic Counselor/ Examiner
		Morning	Evening		
BPHCL-136 Course Title: Thermal Physics and Statistical Mechanics: Laboratory	12/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM	1. Measurement of Planck's constant using black body radiation. 2. Determination of Stefan's constant using black body radiation. 3. Determination of the coefficient of thermal conductivity of copper by Searle's apparatus. 4. Determination of the coefficient of thermal conductivity of a bad conductor by Lee and Charlton's disc method. 5. Study of variation of thermo-emf with temperature. 6. Determination of specific heat capacity of liquid using the method of cooling. 7. Study of temperature variation of surface tension of a liquid. 8. Study of phase transitions and interpretation of cooling curves. 9. Determination of specific heat of a liquid using a calorimeter. 10. Determination of the temperature coefficient of resistance by platinum resistance	Dr U.S. Patle Asst. Profe. Dr C.B. Makode Asst. Profe. MVM College Bhopal Email Address: uspatle23@gmail.com
	13/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	14/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	16/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	18/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	19/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	20/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		

Note: There will be no practical practice and practical exam on Sunday and Govt. Holidays.

Important points

1. For Lab courses of 2 credits, there are 14 practical sessions in 7 days are prescribed. The last session of practical course will be practical examination.
2. Attendance 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

Dr. Ravi Paliwal
(Study Center Coordinator)
1501, Govt. MVM Bhopal

Dr. Smriti Gargava
(Deputy Director)
IGNOU Regional Centre Bhopal

Dr. Bini Toms
(Senior Regional Director)
IGNOU Regional Centre Bhopal



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BPHCL-138 Course Title: Waves and Optics: Laboratory	21/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM	1. Refractive index of the material of a given prism. 2. Investigations with polarised light using polarimeter. 3. Determination of the value of Cauchy constant of the material of a prism using mercury light. 4. Determination of wavelength of sodium light using Fresnel biprism. 5. Determination of wavelength of sodium light using Newton's rings. 6. Determination of wavelength of sodium/ mercury light using plane diffraction grating. 7. Determination of dispersive power of the material of a given prism using mercury light. 8. Determination of resolving power of a prism. 9. Determination of wavelength of laser light using diffraction from a thin wire. 10. Study of the intensity of single slit diffraction pattern of a laser using photo sensor.	Dr U.S. Patle Asst. Profe. Dr C.B. Makode Asst. Profe. MVM College Bhopal Email Address: uspatle23@gmail.com
	22/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	23/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	25/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	26/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	27/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		
	28/11/2024	09.30AM to 12.30 PM	01.00 PM To 05.00 PM		

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