

**INDIRA GANDHI NATIONAL OPEN UNIVERSITY
REGIONAL CENTRE BHOPAL**

Practical Counseling Schedule for BSCG Programme TEE June- 2024

Venue: Physics Deptt., Govt. Holkar Science College Indore, 452001

| Session Practical Counseling | Date | Timing | | Block | Topic to be covered (Block/Unit) |
|---|------------|---------|---------|-------|--|
| | | From | To | | |
| BPHEL-142 ELEMENTS OF MODERN PHYSICS: Laboratory | 14.10.2024 | 09:00AM | 01:00PM | | Experiment-1 Determination of BOLTZMANN Constant using |
| | 14.10.2024 | 01:30PM | 05:30PM | | Experiment-2 Determination of planck's Constant using LEDs of at Least Four different Colours |
| | 15.10.2024 | 09:00AM | 01:00PM | | Experiment-3 Determination of Ionization potential of Mercury |
| | 15.10.2024 | 01:30PM | 05:30PM | | Experiment-4 Determination of the Wavelength of H-Alpha Emission Line of Hydrogen Atom |
| | 16.10.2024 | 09:00AM | 01:00PM | | Experiment-5 Study of the Absorption Lines in the Spectrum of Iodine Vapour |
| | 16.10.2024 | 01:30PM | 05:30PM | | Experiment-6 Study of the Diffraction Patterns of single and Double Slit.... |
| | 18.10.2024 | 09:00AM | 01:00PM | | Experiment-7 Study of Photoelectric Effect |
| | 18.10.2024 | 01:30PM | 05:30PM | | Experiment-8 Determination of e/m by Magnetic Focusing |
| | 19.10.2024 | 09:00AM | 01:00PM | | Experiment-9 Setting up the Millikan Oil Drop Apparatus and Determining the Charge of an Electron Experiment-10 Determination of e/m by Bar Magnet |
| | 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

(Signature)
Coordinator
Indira Gandhi National Open University
Study Centre - 505 Holkar Science College
INDORE (M. P.)

Dr. Smiriti Gargava
Deputy Director

Dr. Bini Toms
Sr. Regional Director

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|---------------------------------------|------------|---------|---------|-------|--|
| | | From | To | | |
| BPHCL-132 MECHANICS: Laboratory | 21.10.2024 | 09:00AM | 01:00PM | | Experiment-1 Measurement of Length |
| | 21.10.2024 | 01:30PM | 05:30PM | | Experiment-2 Determination of Moment of Inertia of a Fly Wheel about its Axis of Rotation |
| | 22.10.2024 | 09:00AM | 01:00PM | | Experiment-3 Determination of Young's Modulus by Bending of Beams |
| | 22.10.2024 | 01:30PM | 05:30PM | | Experiment-4 Determination of the Modulus of Rigidity of a Wire using Maxwell's Needle |
| | 23.10.2024 | 09:00AM | 01:00PM | | Experiment-5 Determination of Elastic Constants of a Wire by Searle's Method |
| | 23.10.2024 | 01:30PM | 05:30PM | | Experiment-6 Determination of Acceleration due to Gravity using Bar Pendulum |
| | 24.10.2024 | 09:00AM | 01:00PM | | Experiment-7 Determination of Acceleration due to Gravity by Kater's Pendulum |
| | 24.10.2024 | 01:30PM | 05:30PM | | Experiment-8 Study of the Motion of a Spring-Mass System: Determination of Spring Constant and Acceleration due to Gravity |
| | 25.10.2024 | 09:00AM | 01:00PM | | Experiment-9 Determination of Frequency of Tuning Fork using Sonometer Experiment-10 Study of Lissajous Figures using a Cathode Ray Oscilloscope |
| | 25.10.2024 | 01:30PM | 05:30PM | | Viva Exam |

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| | | From | To | | |
| BPHCL-134 Electricity and magnetism: Laboratory : Laboratory | 05.11.2024 | 09:00AM | 01:00PM | | Experiment-1 Measurements with a multimeter |
| | 05.11.2024 | 01:30PM | 05:30PM | | Experiment-2 Study of Magnetisation in Magnetic material |
| | 06.11.2024 | 09:00AM | 01:00PM | | Experiment-3 Study of a series RC circuit |
| | 06.11.2024 | 01:30PM | 05:30PM | | Experiment-4 Study of a series LCR circuit |
| | 07.11.2024 | 09:00AM | 01:00PM | | Experiment-5 Study of a parallel LCR circuit |
| | 07.11.2024 | 01:30PM | 05:30PM | | Experiment-6 Measurement of low resistance using carey foster bridge |
| | 08.11.2024 | 09:00AM | 01:00PM | | Experiment-7 Verification of Thevenin's and Norton's theorems |
| | 08.11.2024 | 01:30PM | 05:30PM | | Experiment-8 Verification of super position and maximum power transfer theorems |
| | 09.11.2024 | 09:00AM | 01:00PM | | Experiment-9 I-V characteristics of a p-n junction diode Experiment-10 Half-wave / full-wave rectifiers and filter circuits |
| | 09.11.2024 | 01:30PM | 05:30PM | | Viva Exam |

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