



Department of Physics
P. K. Roy Memorial College, Dhanbad.

A CONSTITUENT UNIT OF BBMKU, DHANBAD

NOTICE

SYLLABUS FOR SEMESTER-VII (FYUGP)(2022-2026)

PHYSICS PRACTICAL EXAMINATION

Any one of the topics given below is to be performed during the University Practical Examination for Physics Major and Minor, respectively.

PHYSICS MAJOR

PHYSICS-MJ 19: Practical

1. To measure the resistivity of a semiconductor (Ge) by P-N Junction diode.
2. To measure the resistivity of a semiconductor (Ge) with temperature by four-probe method (room temperature to 150°C) and to determine its band gap.
3. To determine the Hall coefficient of a semiconductor sample.

PHYSICS MINOR

PRACTICAL

1. To determine the Refractive Index of the Material of a Prism using Sodium Light.
2. To determine wavelength of sodium light using Newton's Rings.
3. To determine the wavelength of Laser light using Diffraction of Single Slit.

The dates of the Practical Examination are as follows:

| Subject: PHYSICS | | | |
|------------------|------------------------|------------|------------|
| Centre | College | Date | |
| | | MJ | MN |
| PKRMC Dhanbad | PKRMC Dhanbad | 21/04/2026 | 23/04/2026 |
| | RSM College, Govindpur | 22/04/2026 | 24/04/2026 |
| | RSP College, Belgarhia | | |
| | Rajganj Degree College | | |

Sourjanta Sin
HoD 18/04/2026