

Department of Physics

E-Content (B. Sc. Ist Non-Medical and Vocational)

Subject: Electricity and Magnetism

(Bsc. IIIrd Hons.)

Subject: Physics of Semiconductors

Teacher Name: Dr. R. Ridhi

Online Lectures

B.Sc. Ist year (Electricity and Magnetism)

1. Poisson's and Laplace's Equations
https://drive.google.com/file/d/14TwRXfUdJQnbJ50fJ2qJl0aSBnykcgx9/view?usp=share_link
2. Electric Images Concept and its Applications
3. https://drive.google.com/file/d/1NW5IHR-NcjrCqOX0lv1N_TGuZrf2DMb/view?usp=share_link

B.Sc. IIIrd year Hons. (Physics of Semiconductors)

4. P-N Junction diode
https://drive.google.com/file/d/1XJFIKkIXPiBHrsY8FRI96RQ4boNaqfCp/view?usp=share_link
5. Rectifying and Ohmic Contacts
<https://drive.google.com/file/d/1nge3xIs7i9C-Et0uP3CtfS15k6uU2XFU/view?usp=sharing>

Online Questions

6. MCQs questions for Electric Potential and Polarization (BSc. Ist year)
https://docs.google.com/forms/d/16lLasVI9QUTcPTgnL318-DeQZQauMTjyOO41gm_pUi4/edit?pli=1
7. MCQ Questions for Physics of Semiconductors (Bsc. IIIrd year Hons)
<https://docs.google.com/forms/d/1kMBpt7AQtrFnpHdvIcBA9FzOhqE0StlxqXm8VKwtdKo/edit>

Suggested Books:

1. For BSc. Ist year: Electricity and Magnetism by MPH and Dinesh
2. For BSc. IIIrd year (Hons.): Solid State Electronic Devices: Ben Streetman, Sanjay Banerjee.

