

Raiganj Surendranath Mahavidyalaya

CBCS B.Sc PHYSICS General (PRACTICAL Examination)

Semester-II, 2021

DC 4P / GE 2P: Electricity and Magnetism

Full Marks-15

Time- 3.00 Hours

Answer any THREE questions: (3 × 5)

- 1. How do you measure charge and current by using Ballistic galvanometer ?**
- 2. Draw and explain the phasor diagram of a series CR circuit.**
- 3. Deduce an expression for resonance of series LCR circuit. Explain the typical nature of the resonance curve.**
- 4. What is resonance frequency and quality factor ? What is their physical significance ?**
- 5. What is the principle of a Carey Foster bridge ? What is a multimeter ?**