

1st Sessional Examination 2021

5th Semester

Paper 502

Subject: Physics (Major)

Time: 45 min

Full Marks: 20

1. Show that the unit of Bohr magneton may also be written as $A m^2$ (2)
2. What is the difference between anomalous Zeeman effect and Paschen-Back effect. (3)
3. Discuss Thomson's mass parabola method. (5)
4. Discuss Aston's mass Spectrograph. (5)
5. Draw the energy level diagram, of hydrogen spectra. (5)