

Sessional Examination 2023

Sub: Physics

Paper: PHY-HC-2016

TIME: 1 hour

FULL MARKS: 20

1. State and prove the Gauss' law. . 5
2. Find the stored energy in a charge capacitor. 5
3. Find the magnetic field due to a straight conductor using Biot Saverts law. 5
4. Derive the differential form of Amperes circuital law. 5