

GOVT. POLYTECHNIC, BHADRAK

Internal Assessment

Session:2022-2023

Electrical Engg. 3rd sem Sub: EEM (Th.4),F.M=20 ,Time:1hr

1. Answer the following.

[2 x 5]

- a. State Ohm's law.
- b. Define resistivity.
- c. What is Dopping?
- d. Write the basic difference between photoconductive cell and photovoltaic cell .
- e. What are the factors affecting dielectric strength?

2. Answer any **two** questions.

[5 x 2]

- a. What are the properties of low resistivity materials ? Give 3 examples.
- b. Define Superconductivity. Write 4 applications of Superconductor.
- c. Write 5 differences between P-type and N-type semiconductor.