

Sessional Examination '2021

Paper - 4036 - HC

Full marks - 30.

- 1.Q. Draw the energy band diagram of P-N diode. 5.
- 2.Q. How potential barrier is formed in a PN-diode. Define static and dynamic resistance of a PN-diode. $2+3=5$
- 3.Q. Explain working of a Bridge full-wave rectifiers. 5
- 4.Q. ~~Do~~ calculate the efficiency of ~~the~~ full wave rectifier. 5
- 5.Q. Write short note on any ^{two} ~~one~~ of the following $2 \times 5 = 10$
 - (i) LED
 - (ii) Photo-diode.
 - (iii) solar cell.