

DEPARTMENT OF PHYSICS-2021, RANGIA COLLEGE

HOME ASSIGNMENT -2 for SEMESTER IV(M), ELECTRONICS

Group A

Answer any two

5 x 2 =10

1. Distinguished between Conductor, Insulator and Semiconductor with special reference to energy band diagram.
2. Explain P type and N type semiconductor with example.
3. Explain the operation of a PN junction diode.
4. Explain the operation of a PNP transistor in Common emitter configuration.
5. Draw the characteristic curves of a transistor operation in CB configuration.

N.B. 1. Last date of submission 7th August 2021.

2. Submit the assignment at Google class room.
3. Write your Roll no and Assignment no as file name.