

Jashore University of Science and Technology

Bachelor of Science with Honours in Physics

Second semester of Second year

Course code: PHY 2207

Course title: Semiconductor Physics

Quiz no. : 01

Date: August 16, 2022

Roll:	
-------	--

1. Define semiconductor and conductor using the concept energy bands. [6]

2. An n -type semiconductor material is electrically neutral and not negatively charged. Why? [3]

3. Define Fermi energy. Write down the characteristics of Fermi Function. [5]

4. What is extrinsic semiconductor? Explain how n -type semiconductors can be formed by doping. [6]