

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.: 02

Date: September 20, 2023

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1. What is p - n junction? Write some of the characteristics of the junction. [5]
2. Explain the construction and working principle of full-wave-bridge rectifier with proper diagram. [8]
3. Calculate (i) RMS value of the output voltage, (ii) ripple factor and (iii) efficiency of half wave rectifier. [7]