

B.Tech Civil Engg.  
2<sup>nd</sup> Semester

classmate

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Sub: Electronic Devices Theory (Assignment 1)

Deadline: 16-03-2015

- Q1 Differentiate between Insulator, Conductor & Semiconductor with the help of Energy Band Diagram. (5)
- Q2. What is the effect of temperature on conductivity of an Intrinsic Semiconductor. (5)
- Q3. Differentiate between Drift & Diffusion Current (5)
- Q4. Explain the concept of Fermi Level in Intrinsic Semiconductor & Extrinsic Semiconductor (P-type & N-type.) (10)