

Assignment Number -01

TEC-101/201 Fundamental of Electronics Engineering

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1. Write a short note on Group IV material.
2. What is Covalent Bonding? Discuss the electron hole pair concept.
3. Differentiate Conductor, Insulator and semiconductor on the basis of forbidden energy gap and energy level.
4. What is doping? Differentiate donor and acceptor impurity materials in detail.
5. Differentiate the following:
 - a. Intrinsic and Extrinsic semiconductor
 - b. n-type and p-type semiconductor