

1. Explain semiconductors, Silicon wafers and integration techniques.
2. Explain large and very largescale integration techniques.
3. Explain materials used for Resistors, rheostats and heaters.
4. Explain bimetals fuses, soft and hard solders.
5. Explain electric contact materials, electric carbon materials, thermocouple materials.
6. Explain Refractory Materials, Structural Materials, Radioactive Materials, Galvanization and Impregnation of materials.
7. Explain Properties and applications of mineral oils, Testing of Transformer oil.