# Dr. Shyama Prasad Mukherjee University

B.Sc(Electronics),Sem-6

Paper-xv (Applied Electronics)

Modal Questions Paper

Group-A

Short answer type question.

1. What is logic family ? What are types of Logic families ?
2. Explain the characteristics of logic family?
3. What is TTL Logic family ? Give its characteristics.
4. What is IC ? List the some advantages of IC over Analog circuit.
5. What is SMPS ? Explain briefly.
6. Expain CMOS as inverter circuit ?
7. What is Monolithic ,thick and thin film IC ?

Group-B

Long answer type questions.

1. What is an SCR ? Explain its construction, working and characteristics curve with applications?
2. What is UJT ?Give its principle,constructions and working ? Give some application of UJT.
3. Explain different fabrication steps of a Transistor ?
4. What is Totem Pole output in TTL logic circuit why do we use it TTL logic circuit ?
5. What is do you mean by regulation of power supply? What are its types ?