

Full Marks: 20

Time: 1 hour

1. Answer the following questions: (1x5 = 5)

- Normally what is the biasing condition of gate-channel of a JFET.
- Write whether FET is a unipolar or bipolar device.
- What do you mean by pinch off voltage?
- What is the basic condition of working a multivibrator?
- How many PN junction in an UJT?

2. Answer any three from the following questions: (3x3 = 15)

- What is MOSFET? Explain the structure of a MOSFET.
- Explain with circuit diagram the static characteristics of a JFET.
- Write short notes on Tunnel Diode.
- Explain with transistorize circuit diagram the working of an Astable Multivibrator.
- What is regulated Power supply? Explain its function.