

4040510- Analog And Digital Communication Systems

Important Question

UNIT - 1

PART - B

1. With the block diagram explain public telephone network (PSTN).
2. Explain electronic switching system with block diagram.
3. Draw the architecture of ISDN and explain it.
4. With the block diagram explain video phone.
5. i) Explain instrument landing system
ii) Explain PPI display.

UNIT- 2

PART-B

1. Explain the basic elements of digital Communication system.
2. Explain the Digital data transmission circuits.
3. With the block diagram explain Modulator & Demodulator
i) ASK ii) FSK iii) PSK iv) QPSK

UNIT- 3

PART-B

1. With the block diagram explain optical communication system.
2. Explain the principle of light transmission in a fiber using ray theory.
3. Explain single mode step index fiber and graded index fiber.
4. i) With the diagram explain LED optical sources.
ii) Explain LASER with diagram.
5. With the block diagram explain Optical transmitter and receiver.

UNIT- 4

PART-B

1. With the block diagram explain Transmit & Receiver Earth station.
2. Explain the operation of microwave transmitter & Receiver with block diagram.
3. i) Explain apogee and perigee with diagram
ii) Explain the satellite mobile services (MSAT).
4. Briefly explain Kepler's I, II and III laws.

UNIT- 5

PART-B

1. With the diagram explain the simplified cellular telephone system.
2. Explain satellite multiple access techniques.
i) FDMA ii) TDMA iii) CDMA.
3. Explain Bluetooth technology.