

SECTION-B

2. What do you mean by noise? Discuss its different types. Also define noise figure and noise factor.
3. With the help of block diagram explain the working of Armstrong FM transmitter.
4. Draw the block diagram and explain the function of different blocks of super heterodyne receiver.
5. Discuss in detail the different modes of data transmission.
6. Why multiplexing is required? Explain Time division data multiplexing technique.

SECTION-C

7. Discuss PAM, PWM and PPM pulse modulation techniques in detail. Also compare the three.
8. Explain :
 - a) Directional capability of data exchange
 - b) DSB and SSB transmitters
9. Discuss :
 - a) Satellite Communication
 - b) Data Compression

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