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Register Number:

7800

Name of the Candidate:

B.A./B.Sc./B.Com./B.B.A. DEGREE EXAMINATION - 2010

(DUAL DEGREE SYSTEM)

(SECOND YEAR)

(PART – III)

260/660/650 & 610/630. PRINCIPLES OF COMMUNICATION SYSTEMS.

December)

(Time: 3 Hours

Maximum: 100 Marks

SECTION - A

Answer any EIGHT questions.

(5 × 8 = 40)

1. Distinguish between power density spectra and energy density spectra.
2. Discuss spectral analysis and random process.
3. Give a note on frequency translation.
4. Write the procedure for quantizing analog signals.
5. Explain how digital data are signaled in wireless transmission.
6. Elucidate the various modes of data transfer.
7. Discuss bit oriented link control.
8. Elucidate the packet switching technique.
9. Write about satellite networks.
10. Give a brief account of virtual circuits and datagrams.

SECTION - B

Answer any THREE questions.

(3 × 20 = 60)

11. Compare and contrast auto correlation with cross correlation.
12. Draw a neat block diagram of AM and FM modulator systems and explain in detail.
13. Compare and contrast delta modulation with pulse code modulation.
14. Narrate the synchronous and asynchronous transmission techniques with a diagram.
15. Explain any five routing algorithms.

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