Roll No. | | | | | | | | |

B.E. DEGREE END SEMESTER EXAMINATION, NOV/DEC 2011
PRINTING TECHNOLOGY BRANCH
VIII SEMESTER – (REGULATIONS 2004)

49

PT511 – ELECTRONIC COMMUNICATION

Duration: 3 hours **Max. Marks: 100**

Answer ALL Questions

PART A
(10 X 2 = 20 marks)

1. Explain the term,"Signal to Noise Ratio".
2. Define noise figure.
3. What is the need for modulation?
4. What is Channel capacity?
5. Explain the term, "Antenna Gain".
6. Explain line of sight propagation.
7. What is polarization?
8. Explain propagation velocity.
9. Why FM reception is noise free compared to AM.
10. What is TDM?

PART B
(5 X 16 = 80 marks)

11. What is noise? Discuss its classification with characteristics in detail?

12. (a) Compare analog and digital communication.

(or)

(b) Explain the different types of pulse modulation techniques.

13. (a) Explain the detail about the ground wave and sky wave propagation.

(or)

(b) Explain in detail about spacewave and troposcatter.

14. (a) Explain the various digital codes used in digital communication.

(or)

(b) Explain the features of microwaves and the advantages of fiber optical cable.

15. (a) Explain with the block diagrams an amplitude modulated transmitter and receiver.

(or)

(b) Explain with the block diagrams a microwave transmitter and receiver.