

**BACHELOR OF COMPUTER
APPLICATION II YEAR
EXAMINATION, 2010**

Paper — BCAD-403

COMPUTER NETWORKS

Time : 2½ Hours

Maximum Marks : 70

*(Write your Roll No. at the top immediately
on receipt of this question paper.)*

*Answer ALL questions of Section A, any SIX questions
of Section B and any THREE questions of Section C.*

SECTION - A (1 × 10 = 10)

1. What is Analog signaling ?
2. Why is Ethernet called so ?
3. What is Public Telephone Network ?
4. What is Band Rate ?
5. What is Attenuation ?
6. What does CRC mean ?
7. What is Bit Error Rate (BER) ?

P.T.O.

8. ISO stands for ?
9. What is X.25 networks ?
10. What is Local talk ?

SECTION - B (6 × 5 = 30)

11. Differentiate between Data Rate and Bandwidth with the help of example.
12. What is the difference between Amplitude Modulation and Quadrature Amplitude Modulation in data modulation ?
13. Discuss commonly topologies used with LAN ?
14. Discuss a brief description of the applications and limitations of Optical fiber ?
15. How is collision possible in CSMA/CD network ?
What is meant by the term slot time in these networks?
16. What are the different types of transmission media over which data communication equipment can provide service ?
17. Discuss advantages and disadvantages of application layer.
18. Discuss TCP/IP reference model.

SECTION - C (3 × 10 = 30)

19. Explain different modulation techniques.
20. Explain in detail communication modes in transmission.
21. Explain the concept of Multiplexing.
22. Differentiate between Broadband and Baseband systems, explain with the help of example.
23. Write short notes on any *two* on the following:
 - a) Repeaters
 - b) Bridge
 - c) Switch
 - d) Domain Name System.