

(No additional sheet will be supplied)

PART – A (5 x 3 = 15 marks)

Answer any FIVE Questions.

Each question carries 3 marks

Each answer should not exceed 1 page.

1. What are the uses of computer networks
2. Give a list of network hardware and software
3. What are the basics of data communications
4. Write a short note on mobile telephone system
5. What are the design issues of data link layer
6. Difference between internet and intranet
7. What is quality of service
8. What is internet working

PART – B (4 x 15 = 60 marks)

Answer all Questions.

Each question carries 15 marks

Each answer should not exceed 6 pages

9. Explain in detail about ISO OSI reference model
(OR)
10. Explain in detail about TCP/IP reference model
11. Discuss about data link layer in HDLC, ATM and Internet
(OR)
12. Explain about error correction and detection codes with an example
13. Write on the following
 - (a) Wireless LAN
 - (b) Broadband wireless
 - (c) Bluetooth(OR)
14. Explain about data link layer switching in medium access sub layer
15. Explain in detail about any two routing algorithms
(OR)
16. What are the various congestion control algorithms? Explain any one algorithm with an example.