

M.C.A. DEGREE EXAMINATIONS DECEMBER, 2020
SECOND SEMESTER
PAPER II - COMPUTER NETWORKS

Time: 3 Hours

Max. Marks: 75

(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 is network hardware?
2. Write about wireless Transmission?
3. Explain error detection and correction?
4. What is dynamic channel allocation?
5. What is network layer design issues?
6. Explain briefly on internetworking design principles?
7. Explain elements of transport protocols?
8. Write about network security?

PART – A (4 X 15 = 60 Marks)

Answer any all Questions

Each question carries 15 marks

Each answer should not exceed 6 pages.

9. Discuss about a) Uses of computer networks
b) Examples of Data Communications network.
(OR)

10. What is Broadband ISDN and ATM?
11. Explain elementary data link protocols in details?
(OR)

12. Write about IEEE standard 802.4 token bus?
13. Explain briefly about routing algorithms?

(OR)

14. Explain a) IPV4 addressing
b) Subnet addressing

15. Explain in detail about Internet transport protocols?

(OR)

16. Discuss a) Secret key algorithms
b) Domain name system

