

S.D.E.
M.C.A. Sem - III : WINTER - 2018
SUBJECT : COMPUTER COMMUNICATION NETWORKS

Day : Wednesday
Date : 05/12/2018

W-2018-4802

Time : 10.00 AM TO 1.00 PM
Max. Marks : 80

N. B. :

- 1) Attempt **ANY FIVE** questions from Section – **I** and **ANY TWO** questions from Section –**II**.
 - 2) Answers to both the sections should be written in the **SAME** answer book.
 - 3) Figures to the right indicate **FULL** marks.
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SECTION - I

- Q. 1** Explain various network topologies in brief. How to select best topology for business organization. (10)
- Q. 2** Explain features of WIN – 2000 and LINUX in brief. (10)
- Q. 3** What are the layers in OSI model of network? Explain functions of each layer in short. (10)
- Q. 4** Write detail note on TCP/IP. Explain layers of TCP/IP in brief. (10)
- Q. 5** What are the types of cabling? Explain in brief switch and hub. (10)
- Q. 6** Explain carrier sense multiple access with collision detection (CSMA/CD) in detail. (10)
- Q. 7** Write short note on **ANY TWO** of the following: (10)
- a) X . 25
 - b) Types of Servers
 - c) Switching Techniques

SECTION - II

- Q. 8** What are different types of address classes? Explain IP address structure in brief. (15)
- Q. 9** How to install file server and print server using win – 2000. Explain steps to install in brief. (15)
- Q.10** What are the concepts of Multiplexers, Concentrators, Routers and Bridge? Explain in brief about Routers. (15)

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