

S.D.E.

M.C.A. SEM - III : WINTER - 2017
SUBJECT: COMPUTER COMMUNICATION NETWORKS

Day: Wednesday
Date: 20/12/2017

Time: 10.00 A.M. TO 1.00 P.M.
Max. Marks: 80

W-2017-4423

N.B:

- 1) Solve **ANY FIVE** questions from Section-I and **ANY TWO** questions from Section-II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in the **SEPARATE** answer book.
- 4) Follow instructions of each question properly.

SECTION-I

- Q.1** What is computer Network? Explain various types of computer Network. **(10)**
- Q.2** What is switching? Explain its types in details. **(10)**
- Q.3** What is connection & connectionless Network explain in brief. **(10)**
- Q.4** What is Ethernet? Explain frame format of Ethernet in brief. **(10)**
- Q.5** What is protocol? Explain different types of protocols in brief. **(10)**
- Q.6** What is Routing? Explain types of Routing. **(10)**
- Q.7** Write short on **ANY TWO** of the following: **(10)**
- a) Transport layer of OSI model
 - b) Networking Devices
 - c) Types of servers

SECTION-II

- Q.8** Explain various Network topologies & how to select ideal topology for business organization. **(15)**
- Q.9** Explain different types of Addresses with their classes. Explain IP Addresses Structure. **(15)**
- Q.10** How to set up Network using different cables. Explain cabling components required for cable Networking. **(15)**

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