

S.D.E.

M.B.A. (I.T.) SEM-IV (2013 COURSE) : WINTER - 2017

SUBJECT: COMPUTER NETWORKS AND NETWORKING

Day: **Tuesday**
Date: **19/12/2017**

Time: **02.00 P.M. TO 05.00 P.M.**
Max. Marks: **70**

W-2017-4337

N.B.:

- 1) Attempt **ANY FOUR** questions from section-I and attempt **ANY TWO** questions from section-II.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Both the sections should be written in the **SEPARATE** answer books.
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SECTION-I

- Q.1** What is importance of bandwidth in networking? Explain different types of cables used in networking. (10)
- Q.2** Explain the network architecture of Token Ring in detail. (10)
- Q.3** What is the need of layered protocols? Explain TCP/IP layered architecture. (10)
- Q.4** What is Network Interface Card (NIC)? Explain principles of NIC configuration. (10)
- Q.5** Write short notes on **ANY TWO** of the following: (10)
- a) Virtual LANs
 - b) FDDI
 - c) TDMA

SECTION-II

- Q.6** What is the need of Internetworking? Explain different switching techniques used for switching in network. (15)
- Q.7** Explain the functionality of the following network devices: (15)
- a) Bridge
 - b) Router
 - c) Gateways
- Q.8** As a network administrator, How you will manage and plan security policies for the network? How you will tackle the problems while communicating multi-vendor environment? (15)

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