

S.D.E.

M.B.A. (I.T.) SEM-IV (2013 COURSE) : SUMMER - 2018
SUBJECT: COMPUTER NETWORKS AND NETWORKING

Day: **Thursday**
Date: **31/05/2018**

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

S-2018-4528

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.

SECTION-I

- Q.1** Compare Local Area Networks (LANs) and Wide Area Networks (WANs) with their advantages and disadvantages. (10)
- Q.2** What are different types of wireless networks? Give at least two examples of wireless LAN applications. (10)
- Q.3** Differentiate between the following: (10)
- a) Connection oriented Vs Connectionless networks
 - b) Baseband transmission Vs Broadband transmission.
- Q.4** What is Ethernet? Explain different types of frames in Ethernet. (10)
- Q.5** Write short notes on **ANY TWO** of the following: (10)
- a) Token Ring
 - b) Telephone network
 - c) HDLC protocol

SECTION-II

- Q.6** Design a network layout for "Big Bazar" at Pune location. Suggest different types of topologies for Pune location. Also discuss the type of connecting devices for the given network. (15)
- Q.7** What is Network Operating System (NOS)? Differentiate between server software and client software. Explain the components of Network Operating System (NOS). (15)
- Q.8** As a Network Administrator for 'XYZ' organization. Which methodology you will follow to handle poor network performance and network operation problems. (15)

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