

S.D.E.
M.B.A. (I.T.) Sem-IV (2013 Course) : SUMMER - 2019
SUBJECT: COMPUTER NETWORKS AND NETWORKING

Day: Tuesday
Date: 14/05/2019

Time: 02.00 PM TO 05.00 PM
Max. Marks: 70

S-2019-5165

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

SECTION-I

- Q.1** Explain any two wireless networking technologies in detail? **(10)**
- Q.2** Discuss working mechanism of twisted-pair transmission media with diagram. **(10)**
- Q.3** Differentiate between the following: **(10)**
a) Local Area Network Vs. Wide Area Network.
b) Connection oriented and Connectionless network.
- Q.4** What is Token Ring? Explain hardware components and structure of a Token Ring. **(10)**
- Q.5** Write short notes on (**ANY TWO**): **(10)**
a) Apple talk
b) Multi-drop circuit
c) HDLC

SECTION-II

- Q.6** Explain function of packets in network communication with packet structure and packet creation. **(15)**
- Q.7** What is Client/Server computing? Explain Client Server architecture with example. **(15)**
- Q.8** Suppose you are a network engineer of XYZ company which is situated in a city at two different places. Design a Metropolitan Area Network diagram to connect Finance and HR department of these two companies. Suggest the topological architecture to be used and justify your answer. **(15)**

* * * * *