M.B.A. (GEN.) / M.B.A. (HR) / M.B.A. (IT) / Semester - III (2012 COURSE)(CHOICE BASED CREDIT SYSTEM) / M.B.A. (FM) Semester - III (2013 (CHOICE BASED CREDIT SYSTEM) : SUMMER - 2019

SUBJECT : ELECTIVE – I: COMPUTER HARDWARE & NETWORKING (ITM)

Day : Saturday
Date : 25/05/2019

S-2019-2270

Time : 10.00 AM TO 01.00 PM
Max. Marks : 100

N.B.:

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

SECTION – I

Q.1 Differentiate between: **(15)**
a) Simplex and Full Duplex Communication
b) PROM - EPROM
c) Star Topology and Bus Topology

Q.2 Explain Basic Organization of Computer system with block diagram. **(15)**

Q.3 What is Ethernet? Discuss in detail. **(15)**

Q.4 Explain MAN along with their characteristics, advantages and disadvantages. **(15)**

Q.5 Explain various Wireless Networks in detail. **(15)**

Q.6 Write short notes on **ANY THREE** of the following: **(15)**
a) Gateway
b) Multiplexing
c) MODEM
d) Classless Addressing

SECTION – II

Q.7 Explain IP routing process with the help of Configuration of routing protocols. **(20)**

Q.8 Explain how the TCP protocol would be able to detect errors and data loss, and how it would ensure that the lost data is re-transmitted, whilst transmitting data over a TCP virtual circuit. **(20)**

Q.9 The network layer or OSI layer 3, provides services to allow end devices to exchange data across the network. To accomplish this end-to-end transport the network layer uses four basic processes: addressing of end devices, encapsulation, routing and de-encapsulation. Briefly describe be purpose of each of those basic processes. **(20)**

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