

**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 - 2018**

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

Day: **Saturday**
Date: **02/06/2018**

S-2018-1893

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) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

- Q.1 a)** Explain different computer memories: **(08)**
i) Cache memory ii) RAM
iii) ROM iv) EPROM
- b)** Explain synchronous and asynchronous communication in detail. **(07)**
- Q.2 a)** Explain following protocols: **(15)**
i) FTP ii) TELNET iii) Internet protocol
- Q.3** Explain IEEE 802 Ethernet in detail. **(15)**
- Q.4 a)** Differentiate between TCP/IP model and OSI model **(08)**
b) Explain various IP addressing classes with examples. **(07)**
- Q.5** Write short notes on any **THREE** of the following: **(15)**
a) VLAN
b) Transmission media
c) Wi-Fi
d) NIC

SECTION-II

- Q.6** Consider a situation where your business is spread in different cities in India. **(20)**
It is difficult for you to visit all the places for business purpose. It is required to expand and reconfigure. Which network topology you will select for your organization. Discuss following points in detail:
i) Network topology
ii) Necessary networking hardware
iii) Draw networking diagram
iv) IP addressing policy (individual IP address, subnet masks)
- Q.7** What is Router? Discuss Router administrative functions. **(20)**
- Q.8** What is Metropolitan Area Network (MAN)? Discuss its characteristics, **(20)**
advantages and disadvantages.

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