

**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) : WINTER - 2017**

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

Day: **Saturday**
Date: **16/12/2017**

W-2017-1777

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** Define computer network. Explain different topologies to configure a network. **(15)**
- Q.2** Explain OSI layers and its functions. **(15)**
- Q.3** Draw and explain IP address format for a Class A, Class B, Class C and Class D using suitable example. **(15)**
- Q.4** Explain the process of IP routing. Also explain how to configure IP routing. **(15)**
- Q.5** Write short notes on any **THREE** of the following: **(15)**
- a) Switches
 - b) Transmission media
 - c) TCP/ IP
 - d) Secondary storage devices

SECTION-II

- Q.6** Explain following networks with its merits and demerits: **(20)**
i) Local Area Network (LAN)
ii) Metropolitan Area Network (MAN)
- Q.7** Discuss VLAN. Explain VLAN trunking protocol in detail. **(20)**
- Q.8** Define physical layer wiring standards for following: **(20)**
i) 10 Base 2
ii) 10 Base 5
iii) 10 Base T

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