

No. of Printed Pages : 03

Roll No.

DD-683

M.C.A. EXAMINATION, Dec. 2018

(Fourth Semester)

(B. Scheme) (Re-appear Only)

MCA506

COMPUTER NETWORKS

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-24/7) M-DD-683

P.T.O.

Unit I

1. (a) What is Network ? Give its types. Explain Layered architecture of networks. **8**
(b) What is Priority Queue ? Explain. **7**
2. (a) How can you detect error and correct it ? Explain. **8**
(b) What is a datagram ? Also explain structure of switch. **7**

Unit II

3. (a) What is HDLC ? Explain. **8**
(b) State and explain slotted ALOHA. **7**
4. (a) Differentiate between FDMA and CDMA. **8**
(b) What is PPP ? Explain PPP Protocols. **7**

Unit III

5. (a) What is addressing ? Explain subnet addressing ? **8**
(b) Differentiate between ARP and RARP. **7**

6. (a) What is ICMP ? Give its features. **8**
(b) State and explain internet routing protocols. **7**

Unit IV

7. (a) What is SDH ? Explain. **8**
(b) What are Proxy Servers ? What is their significance ? Explain. **7**
8. (a) Discuss Frame Relay in detail. **8**
(b) What is class of service in network management ? Also explain quality of service. **7**