



C14-CM-406/C14-IT-406

4454

BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2016
DCM—FOURTH SEMESTER EXAMINATION
COMPUTER NETWORKS

Time : 3 hours]

[*Total Marks* : 80

PART—A

3×10=30

- Instructions** : (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. State the need for networking.
2. What is BUS topology?
3. List LAN devices.
4. Differentiate between STP and UTP cables.
5. Write a short note on Telnet.
6. Specify the address classes for the following IP addresses :

1+1+1=3

- (a) 206.133.155.10
(b) 98.156.255.2
(c) 156.198.121.250

7. What is ISDN?

- * 8. List various WAN devices.
9. What is security management in ISO network management model?
10. Define network security.

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain briefly TCP/IP reference model.
12. Explain CSMA/CD technology.
13. Write short notes on (a) HTTP, (b) FTP and (c) SMTP. 4+3+3=10
14. Explain about IP subnetting.
15. (a) Briefly explain the components of IP address. 5
(b) Explain IPX/SPX addressing. 5
16. Explain the working of VPN.
17. Explain LANE protocol.
- * 18. Explain remote monitoring in detail.
