



C14-CM-406/C14-IT-406

4454

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**MARCH/APRIL—2017**  
**DCME—FOURTH SEMESTER EXAMINATION**  
**COMPUTER NETWORKS**

*Time* : 3 hours ]

[ *Total Marks* : 80

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**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. List the hardware and software components of network.
2. Define network topology.
3. Define Hub.
4. What is wireless LAN?
5. List coaxial cable connectors.
6. What is the need of network addressing?
7. List WAN connectivity options.
8. What is PPP?
9. What is fault management in ISO network management model?
10. What do you know about Ethernet?

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**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 OSI reference model.

12. Explain ARCnet protocol.

13. Explain IPX/SPX protocol.

14. Explain IP address classes.

15. (a) Explain about VLSM. 5

(b) Explain NETBEUI addressing. 5

16. Explain briefly about ISDN.

17. Explain ATM in detail.

18. Explain how SNMP works.

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