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C14-CM-406/C14-IT-406

4454

BOARD DIPLOMA EXAMINATION, (C-14)

OCT / NOV-2017

DCME-FOURTH SEMESTER EXAMINATION

COMPUTER NETWORKS

Time : 3 Hours]

[Total Marks : 80

PART - A

3 x 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. What is the need for networking?
2. List the disadvantages of star topology.
3. Write short notes on Switches.
4. Write about HTTP.
5. Write short notes on wireless lans.
6. What is CIDR?
7. Write short notes on Leased lines.
8. Briefly explain about gateways.

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- *9. List different commands of SNMP.
- 10. Explain about Ethernet in brief.

PART - B

10 x 5 = 50

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

- 11. Explain the TCP/IP model with a neat diagram in detail.
- 12. a) Explain about IEEE standard 802.4 Token bus.
b) Explain Fiber Distributed Data Interface (FDDI).
- 13. Explain in detail about SMTP and Telnet.
- 14. Explain in detail about TCP/IP addressing concepts and subnetting.
- 15. a) Write the features of IPV6.
b) Explain in detail IPX/SPX addressing.
- 16. Explain in detail about ISDN.
- 17. Explain Local Area Network Emulation (LANE).
- 18. Explain Network security in detail and the approach to attain it.

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