



C16-CM-401

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**BOARD DIPLOMA EXAMINATION, (C-16)
OCTOBER—2020
DCME—FOURTH SEMESTER EXAMINATION
COMPUTER HARDWARE & NETWORKING**

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. List any six components of system board.
2. Write about chipset.
3. What is primary partition of a hard disk?
4. Write about DVD-RW.
5. What is the purpose of diagnostic software?
6. List any three monitor problems.
7. List the top six layers of OSI reference model.
8. Define a gateway.
9. What is the purpose of IP address classes?
10. Write short notes on telnet.

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[*Contd....*

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. (a) Write any five functions of BIOS.
(b) Explain about post.
12. Explain any five types of connectors used to connect I/O devices.
13. (a) Explain about SIMM RAM technology.
(b) Explain about disk cleanup
14. (a) Explain how to isolate computer problems.
(b) Explain about In-Line UPS.
15. Explain the following :
 - (a) Coaxial cables
 - (b) Twisted pair cables
 - (c) Optical fiber cables
16. (a) State the need for networking.
(b) Explain about switches.
17. (a) Explain class-full addressing in IPv4 with examples.
(b) Discuss about network monitoring.
18. (a) Write about SMTP.
(b) Write a short note on RMON.
