

C16-CM-401

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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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.

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