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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.

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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