6430

BOARD DIPLOMA EXAMINATION, (C-16)

AUGUST/SEPTEMBER—2021

DCME - FOURTH SEMESTER EXAMINATION

COMPUTER HARDWARE AND 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 the hardware used for input/output.

2. What are system board components for communication?

3. Define semiconductor memory.

4. List various types of ROM.

5. What are trouble shooting fundamentals?

6. What is a bootable recycle disk?

7. Why is computer network needed?

8. List hardware and software components in LAN.

9. What are classes of IP address?

10. State the need for protocol in computer network.

PART—B

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

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

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

11. Explain about various connectors available on mother board.   10

12. Explain various disk optimization techniques.   10

13. Explain various RAM technologies.   10

14. Write about *(a)* diagnostic software, *(b)* virus detection software and *(c)* bootable recycle disk   4+3+3

15. Explain OSI reference model with a neat sketch.   10

16. Write about transmission media.   10

17. Explain about IPV4 address format.   10

18. Explain about IP subnetting.   10

★ ★ ★