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BOARD DIPLOMA EXAMINATION, (C-16)

MARCH / APRIL — 2021

DCME — FOURTH SEMESTER EXAMINATION

COMPUTER HARDWARE & NETWORKING

Time : Three Hours]

[*Maximum Marks* : 80

PART-A

3×10=30

- Instructions :**
- (i) Answer **all** questions.
 - (ii) Each question carries **three** marks.
 - (iii) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Define System software and Application software.
2. List any three important beep codes.
3. Write the differences between SIMM and DIMM.
4. What is meant by Disk defragmentation ?
5. Write the purpose of bootable rescue disk.
6. List any three Antistatic tools.
7. Write the differences between Hub and Switch.
8. Define LAN and WAN.
9. What is meant by Network management ?
10. Define the terms HTTP, FTP and SMTP.

- ***Instructions :** (i) Answer any **five** questions.
(ii) Each question carries **ten** marks.
(iii) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. What is bootstrap loader ? Explain the boot process of a computer.
12. Define Bus. Explain the different types of buses.
13. Explain various types of hard drive technologies.
14. Explain the procedure for troubleshooting a system board.
15. Explain OSI reference model.
16. What is meant by Network topology? Explain different types of network topologies with diagrams.
17. Explain IPv6 addressing scheme with examples.
18. Explain the process of network management and monitoring through SNMP.

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