



C16-CM- IT-401

**6430**

**BOARD DIPLOMA EXAMINATION, (C-16)**

**JANUARY/FEBRUARY—2022**

**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. What is subnetting?
2. What is SMTP and FTP?
3. What is NIC card?
4. List various LAN components.
5. What is a surge protector?
6. List various troubleshooting guidelines.
7. List the components in a hard disk?
- \* 8. What is RAID?
9. List the three types of softwares.
10. List different components available on motherboard.

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[ Contd...

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## 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.

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|-----|---|--------|
| 11. | Explain how to set CPU and BUS speeds.                            | 10     |
| 12. | Write about various CPU form factors.                             | 10     |
| 13. | Explain how to troubleshoot hard disk.                            | 10     |
| 14. | Explain the various issues involved in troubleshooting a monitor. | 10     |
| 15. | Describe TCP/IP reference model with neat sketch.                 | 10     |
| 16. | Explain classful and classless addressing in IPV4.                | 5+5=10 |
| 17. | Explain about various LAN devices.                                | 10     |
| 18. | Write about the model of ISO network management.                  | 10     |

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