

ECM61 Computer Hardware Servicing and Networking

883

REG. NO

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Time: Three hours

Maximum Marks: 75

- Note:
1. Answer ALL the questions in PART-A (1 mark each)
 2. Answer any ONE question from each unit in PART-B (3 marks each)
 3. Answer any ONE question from each unit in PART-C (10 marks each)
 4. The question paper contains TWO Pages

PART-A (1x10=10)

1. Define firmware.
2. What is the use of AGP Bus?
3. What are the different types of mouse?
4. What is TFT?
5. Define IPC Hardware.
6. Give the types of battery used in laptop.
7. Define Network.
8. Define Protocol.
9. Define Socket.
10. Define Telnet.

PART-B (3x5=15)

UNIT-I

11. Define Cache memory.
12. What is Blue ray disc? Mention any two parameters.

UNIT-II

13. What is the use of Game port? and mention the pin specification with diagram.
14. Draw the block diagram of modem.

UNIT-III

15. What is a computer virus? List any four.
16. How to clean keyboard and LCD screen?

UNIT-IV

17. List the advantages and disadvantages of Ring topology.
18. What is CAN?

UNIT-V

19. What is Ethernet and mention its types.
20. Brief about ICMP.

PART-C (10x5=50)

UNIT-I

21. Explain in detail about the architecture of Multicore Processor with neat diagram.
22. (i) Explain the working principle DVD -R/W. (6)
(ii) Differentiate DDR2 and DDR3 (4)

UNIT-II

23. Explain the construction and working principle of Laser Printer.
24. Explain in detail about the following.
 - (i) SVGA Port (Connector) (3)
 - (ii) ATX Power supply. (7)

UNIT-III

25. What is Post? Explain the tests performed by Post.
26. Draw the Block diagram of laptop motherboard and explain each part in detail.

UNIT-IV

27. Explain in detail about OSI model with neat diagram.
28. Explain in detail about Router and Switch concepts.

UNIT-V

29. Compare the following Protocols:
802.3, 802.4 and 802.5
30. Write short notes on the following: (a) Subnetting (b) Supernetting.
