

# CSM52 Computer Hardware and Maintenance

629

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 BIOS.
2. What is cache?
3. Define memory speed.
4. List out the types of keyboards.
5. What is the use of graphics card?
6. Abbreviate SMPS.
7. How will you upgrade the BIOS?
8. List out the types of battery.
9. What is the use of micro phone?
10. Define routing.

## PART-B (3x5=15)

### UNIT-I

11. What are the features of PCI bus?
12. Define jumper.

### UNIT-II

13. Write short notes on hand held scanner.
14. What is the use of recordable DVD?

### UNIT-III

15. Illustrate the POST error message.
16. Analyze the TFT displays.

### UNIT-IV

17. What is the use of Partitioning?
18. Differentiate the laptop and desktop.

### UNIT-V

19. What is the use of multi-meter?
20. List out the names and functions of different ICs used in mobile phones.

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PART-C (10x5=50)

UNIT-I

21. Classify the difference between quadcore and core2duo series processors.
22. Draw the architecture and block diagram of mother board and explain.

UNIT-II

23. a) Explain about the special drives.  
b) Analyze the types of main memory.
24. Summarize the blue ray disc parameters, recording and playback principles.

UNIT-III

25. Explain about BIOS advanced setup.
26. Determine the types of UPS and factors for selecting for UPS.

UNIT-IV

27. Explain in detail about the laptop battery types & its basic problem.
28. Examine the types of diagnostic software.

UNIT-V

29. Explain in detail about the different mobile phone components
30. Summarize the assembling and disassembling of different types of mobile phones.

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