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Reg. No.

First Mid-Term Test - July, 2018

Time : 1.30 hrs.

COMPUTER SCIENCE

Max. Marks : 50

PART - I

Choose the correct answer

10 x 1 = 10

1.is the combination of hardware and software.
a) motherboard b) monitor c) computer d) memory device
2. Which one is the volatile memory?
a) RAM b) ROM c) PROM d) EPROM
3.device used to produce graphical output on papers.
a) monitor b) plotter c) printer d) touch screen
4. 1 kilobytes represents.....bytes.
a) 1000 b) 10^{10} c) 2^3 d) 1024
5. Expansion of MSB
a) Most Significant Bit b) More Significant Bit
c) Many Significant Bit d) None of these
6. Base value of octal number
a) 9 b) 100 c) 8 d) 11
7.is a programmable multipurpose silicon chip.
a) CPU b) microprocessor c) RAM d) ROM
8.is a collection of wires used for communication between the internal components of a computer.
a) Network b) Bus c) Control unit d) Memory
9.Disc is a high-density optical disc.
a) Blu-Ray b) CD c) DVD d) pendrive
10. Which of the following is a CISC processor?
a) Pentium III b) AMD K6 c) Intel P6 d) Pentium IV

PART - II

Answer any 5 questions.

5 x 2 = 10

Question No.17 compulsory

11. Define Computer.
12. What is control unit?
13. What is cold booting?
14. Convert 126_{10} to binary number.
15. Convert the given binary number into equivalent decimal number
 101011111_2 .
16. What is binary coded decimal?
17. Differentiate between RISC and CISC.

PART - III

Answer any 5 questions

5 x 3 = 15

Q.No.24 compulsory

18. What is Hardware and software?
19. What are the characteristics of computer?
20. Add a) $-15_{10} + 10_{10}$ b) $7_{10} + 5_{10}$
21. Write short notes on 1's complement and 2's complement?
22. Convert $(48.26)_{10}$ to binary?
23. Differentiate CD and DVD?
24. Write short note on types of mouse?

PART - IV

Answer the following questions

3 x 5 = 15

25. Explain Generation of computers.

(OR)

Explain any four input device?

26. Explain the basic component of a computer with a neat diagram.

(OR)

Convert the following hexadecimal number to binary.

i) A6 ii) BE iii) 98C8

27. Explain types of memory in computer.

(OR)

Explain the characteristics of a microprocessor.

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