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Register No. 11208

First Mid-Term Test - 2023

COMPUTER SCIENCE

Time : 1.30 Hrs. Marks : 50

I. Answer all the questions. **10x1=10**

1. Identify the output device
   a) Keyboard b) Memory c) Monitor d) Mouse
2. Expand POST
   a) Post On Self Test b) Power On Software Test
   c) Power On Self Test d) Power On Self Text
3. How many bytes does 1 kilobyte contain?
   a) 1000 b) 8 c) 4 d) 1024
4. What is the 1's complement of 00100110?
   a) 00100110 b) 11010001 c) 11011001 d) 00101001
5. A+ A=?
   a) A b) 0 c) 1 d) $\bar{A}$
6. Which of the following is not the part of a microprocessor unit?
   a) ALU b) Control Unit c) Cache memory d) register
7. Which is the fastest memory?
   a) Hard disk b) Main memory c) Cache memory d) Blue- Ray Dis
8. Operating system is a
   a) Application software b) Hardware c) system softwa
   d) Component
9. Which of the following operating system support Mobile Devices?
   a) Windows 7 b) Linux c) Boss d) iOS
10. The shortcut key used to rename a file in windows
    a) F2 b) F4 c) F5 d) F6

II. Answer any 5 questions. Question no 17 is compulsory.5x2=1

11. What is a computer?
12. Distinguish Primary and Secondary memory.
13. Convert $(46)_{10}$ into Binary number.
14. What are the parameters which influence the characteristics of microprocessor?

15. What is multi –user operating system? Give example.
16. Differentiate Save and Save As option.
17. Draw the truth table for XOR gate.

III. Answer any 5 questions. Question no 24 is compulsory. 5x3=15

18. What is an input device? Give two examples.
19. Write the significant features of monitor.
20. Write the De Morgan's Law.
21. Write down the classifications of microprocessors based on th instruction set.
22. List out the key features of operating system.
23. Write the two ways to create a new folder.
24. Convert $(150)_{10}$ into Binary, then convert that Binary number to octa

IV. Answer all the questions. 3x5=

25. a. Explain the basic components of a computer with a neat diagra

(OR)

b. Convert $(98.46)_{10}$ to Binary.

26. a. Explain the fundamental gates with expression and truth table

(OR)

b. Explain the types of ROM.

27. a. Explain the process management algorithms in Operating Sys

(OR)

b. Explain the versions of windows Operating System.