11
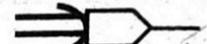
FIRST MIDTERM – 2024

Time: 1:30   **COMPUTER SCIENCE** Marks: 50

PART – I

Answer all the questions   10 x 1 = 10

I. Choose the correct answer

1. First Generation Computers _____.
   a) ENICA   B) IBM 1401 c) IBM 360 Series d) UNIVAC 1108
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 characters can be handled in Binary Coded Decimal System?
   a) 64   b) 255   c) 256   d) 128
4. Logic Symbol of XNOR Gate

   a)   b)   c)

   d)

5. How many bits constitute a word?
   a) 8   b) 16   c) 12   d) determined by the processor used
6. Display devices are connected to the computer through.
   a) USB Port   b) Ps/2 port   c) SCSI port   d) VGA connector
7. Which of the following is not a function of an operating system?
   a) Process Management   b) Memory management
   c) Security management   d) Complier management
8. Which of the following OS is a commercially licensed Operating System?
   a) Windows   b) UBUNTU   c) FEDORA   d) REDHAT
9. Which is the default folder for many Windows Applications to save your file?
   a) My Document b) My Pictures c) Documents and Setting
   d) My Computer
10. The shortcut key used to rename a file in windows
    a) F2   b) F4   c) F5   d) F6

PART –II

II. Answer any 5 questions:
Questions No. 18 is compulsory   5x2 = 10

11. What is the function of an ALU?
12. What are derived gates?
13. What is a program counter?
14. What is HDMI?

15. What are the different Operating Systems used in Computer?
16. What is GUI?
17. What is known as Multitasking?
18. Find I's complement and 2's complement for $(-24)_{10}$

PART – III

III. Answer any 5 questions.
Question No. 26 is compulsory   **5 x 3 = 15**

19. Name any three output devices.
20. Convert $(150)_{10}$ into Binary, then covert that Binary number to Octal.
21. Write the De Morgan's law.
22. Classify the microprocessor based on the size of the data.
23. Differentiate CD and DVD.
24. List out the key features of Operating System.
25. Differentiate copy and move.
26. Write the characteristics of sixth generation.

Part – IV

IV. Answer all the questions.   **3 x 5 = 15**

27. Explain the basic components of a computer with a neat diagram.
                    (or)
    Explain the fundamental gates with expression and truth table.
28. Write the procedure to convert fractional Decimal to Binary.
                    (or
    Explain the characteristics of a microprocessor.
29. Explain the process management algorithm in Operating System.
                    (or)
    Write a short notes on:
    i) Creating Folders   ii) Renaming Files or Folders