

Class : 11

Register
Number

A 3 U Z A R

FIRST MID TERM TEST - 2024

Time Allowed : 1.30 Hours]

COMPUTER SCIENCE

[Max. Marks : 50

PART - I

YouTube/ Akwa Academy

1. Choose the correct answer.

10X1 =10

1. Name of the volatile memory
 - a) ROM
 - b) PROM
 - c) RAM
 - d) EPROM
2. When a system restarts which type of booting is used
 - a) Warm Booting
 - b) Cold Booting
 - c) Touch Boot
 - d) Real Boot
3. Which amongst is not a Octal number
 - a) 645
 - b) 234
 - c) 876
 - d) 123
4. 2^{50} Bytes is referred as
 - a) Kilo
 - b) Tera
 - c) Peta
 - d) Zetta
5. $A + A = ?$
 - a) $-A$
 - b) 0
 - c) 1
 - d) A
6. NAND is also called as
 - a) Fundamental Gate
 - b) Derived
 - c) Logical
 - d) Universal
7. Which of the following is not a part of Micro Processor.
 - a) ALU
 - b) Control Unit
 - c) Cache Memory
 - d) Register
8. Which is Fastest Memory.
 - a) Hard Disk
 - b) Main Memory
 - c) Cache Memory
 - d) Blue Ray Disk
9. Which of the following is commercially licensed OS
 - a) Windows
 - b) UBUNTU
 - c) FEBORA
 - d) REDHAT
10. Operating System is a
 - a) Hardware
 - b) Application Software
 - c) System Software
 - d) Component.

V/II/C.S/I

PART - II**II. Answer any Five questions.****5x2=10**

11. What are the Components of CPU.
12. Differentiate Input and Output Unit.
13. Write 1's Complement Procedure.
14. What is Boolean Algebra.
15. What is an Instruction.
16. What is HDMI.
17. What is GUI.
18. List out key features of Operating System.

PART - III**III. Answer any Five questions.****5x3=15**

19. Classify the Microprocessor based on size of the Data.
20. Give the Truth Table of XOR Gate.
21. What is Radix of the Number System? Give example.
22. Write note on Binary Number System.
23. What is an Input Device? Give examples.
24. Write the Significance feature of Monitor.
25. Differentiate CD and DVD.

PART - IV**IV. Answer all the questions.****3x5=15**

26. a) Explain Types of ROM.

(OR)

b) Explain Process Management Algorithms in OS.

27. a) Arrange the memory devices in Ascending Order based on the Access Time.

(OR)

b) Explain Fundamental Gates with Truth Table.

28. a) Add : $110101100 + 110101$ b) Subtract : $1101011 - 1110111$ in Binary**(OR)**

b) Explain the basic Components of a Computer with neat diagram.

V/11/C.S/2