

**Class : 11**Register  
Number**COMMON QUARTERLY EXAMINATION - 2024 - 25**

Time Allowed : 3.00 Hours]

**COMPUTER SCIENCE**

[Max. Marks : 70

YouTube/ Akwa Academy

Instructions : (1) Check the question paper for fairness of printing. If there is any lack of fairness, inform the Hall Supervisor immediately.

(2) Use Blue or Black ink to write and underline and pencil to draw diagrams.

**PART - I**

Note : i) Answer All the questions.

15X1 = 15

ii) Choose the most appropriate answer from the given four alternatives and write the the corresponding answer.

- Who is called Father of Computer -----  
(a) Bill Gates (b) Pichai (c) Abdul Kalam (d) Charles Babbage
- Identify the Input Device  
(a) Printer (b) Mouse (c) Platter (d) Projector
- Which refers to the number of bits Processed by a computer's CPU?  
(a) Byte (b) Nibble (c) Word Length (d) Bit
- Which is called Logical inverter?  
(a) AND (b) OR (c) NOT (d) XNOR
- NAND GATE is also called as -----  
(a) Fundamental (b) Derived (c) Logical (d) Universal
- File Management system managers -----  
(a) Files (b) Folders (c) Directory system (d) All the above
- Display devices are connected through -----  
(a) USB port (b) PS /2 (c) SCSI (d) VGA connector
- Which is the Fastest memory  
(a) Hard Disk (b) Main Memory (c) Cache memory (d) Blue - Ray
- Which of the following OS support Mobile Devices  
(a) Windows 7 (b) UBUNTU (c) FEDORA (d) iOS
- An example for Single user OS  
(a) Linux (b) Windows (c) MS - DOS (d) Unix
- Under which windows OS, Shift + delete will permanently deletes the file  
(a) Windows 7 (b) MS - DOS (c) Linux (d) Android
- The shortcut key to rename the file  
(a) F2 (b) F4 (c) F5 (d) F6
- Stating the input property and the input - Output relation a Problem is known as  
(a) Specification (b) Statement (c) Algorithm (d) Defintion
- How many multiplications are need to Calculate  

$$a^n = \begin{cases} 1 & \text{If } n = 0 \\ a \times a^{n-1} & \text{otherwise} \end{cases}$$
  
(a) 11 (b) 10 (c) 9 (d) 8
- How many times the loop is iterated?  

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i = 0
While l l= 5
i = i+1

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(a) 4 (b) 5 (c) 6 (d) 0

V/11/C.S/1

## PART - II

II. Answer any SIX of the following Question 23 is Compulsory

6X2=12

16. What is the function of ALU?
17. What is Data?
18. Which source is used to erase the content of EPROM.
19. What are the different OS used in Computers.
20. What are called Standard ICONS.
21. What is DESKTOP.
22. Define Algorithm.
23. What is the difference between Algorithm and Program.

## PART - III

III. Answer any SIX of the following Question 31 is Compulsory.

6X3=18

24. What are the Characteristics of Computer.
25. Find.  $101011_2 + 100101_2$
26. Write the classification of Micro Processor based on Instructions Set.
27. Write notes on Multi Processing.
28. Write a note on Recycle Bin.
29. What is the Format of Specification of an Algorithm.
30. Define a function to Double a number in two different Ways. 1)  $n + n$  2)  $2 \times n$
31. What are Loops.

## PART - IV

IV. Answer all the Questions.

5X5=25

32. (a) Explain : a) Inject Printer b) Multimedia Projector c) Barcode  
(OR)  
(b) Explain the Generations of Computers.
33. (a) Find 1's and 2's complementation for A.-98 B-135 after Convert into Binary  
(OR)  
(b) Explain how AND and OR can be realized using NAND and NOR gate.
34. (a) Explain the types of ROM.  
(OR)  
(b) List out the Points to be noted while creating a user Interface for OS.
35. (a) Write the Procedure to creates shortcut in Windows OS.  
(OR)  
(b) Explain the versions of Windows OS.
36. (a) Exchange A to B and B to A without any change. Write an algorithm for this.  
(OR)  
(b) Draw the Symbols of Flowchart.

V/11/C.S/2