FIRST REVISION TEST - 2025

Standard - XI
COMPUTER SCIENCE

akwaacademy.blogspot.com

PART - A

Time: 3.00 hrs.   Marks: 70

Reg.No. ☐☐☐☐☐☐

I.   **Choose the best answer:**   15×1=15

1. Expand Post
   a) Post on self Test   b) Power on software Test
   c) Power on self Test   d) Power on self Text

2. How Many bytes does 1 Kilo Byte contain?
   a) 1000   b) 8   c) 4   d) 1024

3. Display devices are connected to the computer through
   a) USB port   b) Ps/2 port   c) SCSI Port   d) VGA

4. The file management system used by Linux is
   a) ext2   b) NTFS   c) FAT   d) NFTS

5. The Shortcut key used to rename a file in windows
   a) F2   b) F4   c) F5   d) F6

6. Stating the input Property and the input - output relation a problem is known
   a) Specification   b) Statement   c) algorithm   d) definition

7. Which of the following properties is true after the assignment at line 3?
   1) --i, J = 0   2. i,j ; = i + 1, j - 1   3. - - ?
   a) i + j >0   b) i + J < 0   c) i + j = 0   d) i = j

8. The smallest individual unit in a program,
   a) program   b) algorithm   c) Flow chart   d) Tokens

9. Which of the following is the exit control loop?
   a) for   b) while   c) do -- while   d) if ..... else

10. Which of the following is the scope Operator?
    a) >   b) &   c) %   d) : :

11. Structure definition is terminated by
    a) :   b) }   c) ;   d) : :

12. "Write Once and use it multiple time" can be achieved by
    a) redundancy   b) reusability   c) modification   d) Composition

13. Which of the following access Specifier protects data from inadvertent modifications?
    a) Private   b) protected   c) Public   d) Global

14. Which of the following is the process of creating new classes from an existing class
    a) Polymorphism   b) Inheritance   - c) Encapsulation   d) Super class

15. Distributing unwanted e - mail to others is called
    a) Scam   b) Spam   c) fraud   d) Spooging

PART - B

II. **Answer any six questions. Question No.24 is compulsory.** 6×2=12

16. What are the Components of a CPU?
17. Convert $(46)_{10}$ into Binary Number.
18. What is GUI.
19. What is an in Variant?
20. Write a Short note on const keyword with example.
21. Write about strlen () function.
22. What is function overloading?
23. What is harvesting?
24. Write a while loop that displays numbers 2, 4, 6, 8, ... 20.

akwaacademy.blogspot.com

PART - C

III. **Answer any six questions. Question No.33 is compulsory.** 6×3=18

25. Give the Truth Table of XoR gate?
26. Differentiate CD and DVD.
27. What is the difference between Copy and Move?
28. What is case - analysis?
29. Differentiate " = " and " == ".
30. What is an array of strings?
31. Write about three types of Visibility mode.
32. Write a Short Note on Tamil Virtual Academy.
33. Write a Short program to Print following series 1 4 7 10 ...... 40.

PART - D

IV. **Answer all the questions.** 5×5=25

34. a) Explain the basic components of a computer with a neat diagram. **(OR)**
    b) Find 1's complement and 2's complement for the following Decimal Number
       i) -98   ii) -135
35. a) Explain the derived gates with expression and truth table . **(OR)**
    b) Explain the Characteristics of a Micro Processor.
36. a) What are the types of Errors? **(OR)**
    b) Explain Control statement with Suitable example.
37. a) Explain Call by value method with Suitable example. **(OR)**
    b) Write a C++ program to find the difference between two matrix.
38. a) Mention the differences between Constructor and destructor? **(OR)**
    b) Explain the different types of Inheritance.