FML

12 - Std

FIRST MID TERM TEST - 2024

COMPUTER SCIENCE

Time : 1.30 Hrs.

MARKS : 40

Note:(1) Answer all the questions.

10 * 1 = 10

(ii)choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer

PART - I

1. Which function is called anonymous un-named function
   (a) Lambda　　(b) Recursion　　(c) Function　　(d) define

2. Which of the following keyword is used to begin the function block?
   (a) define　　(b) for　　(c) finally　　(d) def

3. What plays a vital role in Python programming?
   (a) Statements　　(b) Control
   (c) Structure　　(d) Indentation

4. What is the output of the following snippet?

   ```
   i=1
   while True:
       if i%3 ==0:
           break
       print(i,end='')
   i +=1
   ```

   (a) 12　　(b) 123　　(c) 1234　　(d) 124

5. Who developed Python ?
   (a) Ritche　　(b) Guido Van Rossum
   (c) Bill Gates　　(d) Sunder Pitchai

6. Which of the following shortcut is used to create new Python Program ?
   (a) Ctrl + C　　(b) Ctrl + F　　(c) Ctrl + B　　(d) Ctrl + N

7. Which operator is also called as Conditional operator?
   (a) Ternary　　(b) Relational
   (c) Logical　　(d) Assignment

8. Binary search is also called as
   (a) Linear search　　(b) Sequential search
   (c) Random search　　(d) Half-interval search

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9. Containers for mapping names of variables to objects is called
   (a) Scope   (b) Mapping
   (c) Binding   (d) Namespaces

10. Which of the following defines what an object can do?
    (a) Operating System   (b) Compiler
    (c) Interface   (d) Interpreter

PART – II

ANSWER ANY FOUR , Q NO: 16 IS COMPULSORY.   4 X 2= 8

11. What are the main advantages of function?
12. What are the different modes that can be used to test Python Program ?
13. What is searching? Write its types.
14. Differentiate constructors and selectors.
15. Define Function with respect to Programming language.
16. Write is the syntax of if..else statement

PART – III

ANSWER ANY FOUR , Q NO :22 IS COMPULSORY.   4 X 3=12

17. List the differences between break and continue statements
18. Explain Ternary operator with examples.
19. List the characteristics of an algorithm.
20. Define Local scope with an example
21. Differentiate pure and impure function.
22. Differentiate ceil() and floor() function?

PART – IV

ANSWER ALL THE QUESTIONS.   2 X 5 = 10

23. Explain the following built-in functions.
    (a) id()   (b) chr() (c) round() (d) type() (e) pow()

(OR)

Explain the types of scopes for variable or LEGB rule with example.

24. Explain input() and print() functions with examples.

(OR)

Explain the Bubble sort algorithm with example.

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