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RAMACRISNA MADEVA SALGAOCAR HIGHER SECONDARY SCHOOL
MARGAO-GOA

STD: XI(CT) FIRST TERM EXAMINATION, OCTOBER 2024 MARKS:40
DATE: 24/10/2024 SUB: SOFTWARE TECHNOLOGY TIME: 2 HRS.

Instructions:

- (1) Write the number of the questions and sub questions clearly.
- (2) All questions are compulsory.
- (3) Figures to the right indicate full marks.
- (4) Section A consists of question no. 1 to 6 of one mark each.
- (5) Section B consists of question no. 7 to 11 of two marks each.
- (6) Section C consists of question no. 12 to 16 of three marks each.
- (7) Section D consists of question no. 17 to 18 of four marks each.
- (8) Section D consists of internal choice.

SECTION A

Question numbers from 1 to 6 carry 1 mark each:

1x6=6

1. The ability of the applications to run on different platform is termed as _____.
2. A set of programs forms a _____.
3. The symbol in flow chart that is used to show mathematical operations is _____.
4. A sequence of instruction that performs a particular task is known as _____.
5. The values in the list are called _____.
6. The numbers with fractions or decimal point are called as _____.

SECTION B

Questions numbers from 7 to 11 carry 2 marks each:

2x5=10

7. Differentiate between "If statement" and "If Else statement" giving one point each.
8. Write a program to print the following series and sum of it using for statement.
(4, 7, 10.....n)
9. Write a short note on Real Time Operating System.
10. Write an algorithm to print area of circle and area of rectangle.
11. What is Iterative statement?

SECTION C

Questions numbers from 12 to 16 carry 3 marks each:

3x4=12

12. Draw a flow chart to print the following series and print sum of it.
(1, 3, 5.....n)
13. Explain "If else If" statement with its syntax.
14. Identify the error from the code given below and rewrite the code.

```
Num=1
N=int(input("Enter thr value for n"))
Sume=0
For i in range (1, n)
    If num%2 == 0:
        SumE=SumE+i
    else
        SumO=SumO+i
    Print("The number is", SumE)
Print("The number is", SumO)
```

15. Write the output of the following program.

```
Num=1
Number=0
N=int(input("Enter thr value for n"))
While num<N:
    If num%2==1:
        Number =Number +1
    Print("The numbers are", Number)
```

SECTION D

Question numbers from 17 to 19 carry 4 marks each:

4x3=12

16. Explain Assignment Operators with example.
17. Write a program to print average of Even and Odd numbers seperatly from N inputed number using while statement.
18. a. Explain any four good programming habits.

OR

- 18 b. Explain any four characteristics of programming.