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STD: XI(CT) FINAL EXAMINATION, MARCH 2024
DATE: 23/03/2024 SUB: SOFTWARE TECHNOLOGY

MARKS:50
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.

SECTION A

Question numbers from 1 to 7 carry 1 mark each:

1x7=7

1. A single byte is the collection of _____.
2. The part of the program where you can refer or use the variable is known as _____.
3. In computer the smallest storage unit of memory is known as _____.
4. The part of function where the function identification details are contained is _____.
5. A secondary storage device on which information is recorded in the form concentric circle is _____.
6. The function which does not return any value are called _____.
7. The type of storage that uses beam of laser light to record and read the data is known as _____.

SECTION B

Questions numbers from 8 to 13 carry 2 marks each:

2x6=12

8. Write a program to using functions to print area of circle and area of rectangle.
9. Write a short note on RAM.
10. Covert the following:
 - a) Decimal to Binary
 - b) Binary to Decimal
11. Differentiate between Global and Local scope of variable giving one point each.
12. Write a program to input 5 values in the list and print only even numbers.
13. Find out the error from the following code and rewrite the code.

```
Mylist=[]  
Large=0  
N=int(input("Enter the number of elements in the list"))  
for i in range(n)
```

```

item=int(input("Enter the elements"))
Mylist.append(item)
for i in range():
    if mylist[i]< item
        Large=item
print("The number is", Large)

```

SECTION C

Questions numbers from 14 to 18 carry 3 marks each:

3x5=15

14. Explain three categories of Functions.
15. Explain Parameters and Arguments.
16. Differentiate between DRAM and SRAM giving 3 points each.
17. Write a program to input 10 values in the list and print the sum of odd numbers only.
18. Write the output of the following program:

```

List=[]
Number=0
N=int(input("Enter the number"))
For I in range(n):
    Item=int(input("Enter the elements"))
    List.append(item)
For I in range(n):
    If List[I]%2==1
        Number=number+1
Print(" The numbers are" , number)

```

SECTION D

Question numbers from 19 to 22 carry 4 marks each:

4x4=16

19. Write a program to input 10 values in the list and print average of even and odd separately.
20. Explain function header and body of the function with example.
21. Write a program using function to find the factorial of the inputted number.
- 22 a. Explain ROM with its various types.

OR

- 22 b. Explain four different Secondary storage devices.
