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	ART-1	IMax. Marks: 70
ost appropriate an	swer from the given f	our alternatives and write
issed to a function d	lefinition are called	
ccessible from within	n the class and are also	
	(b) Protected members (d) Private members	S
(b):=	ng languages to map the	e variable and object? (d) ==
(b) Average case	(c) Worst case	(d) NULL case
(b)<<<	(c) #	(d) <<
(b)&	(c) @	Program? (d) \$
(b)pass	(c) continue	(d) break
(b)4 6 8 10		(d) 2 10 2
(b)Recursion	(c) Function	(d) define
(b)for	(c) finally	(d) def
(b)&	(c) •	(d) =
(b)Mutable n print(List1[-2]) will	(c) Immutable result in	(c) flexible
(b)8	(c) 4	(d) 6
(b) Destructor	(c) Initialize	(d) Instantiation
pe? amespaces?	s compulsory.	6×2=12
loop.		
	and the corresponsed to a function of the corresponsed to a function of the corresponsed to a function of the corresponding to the corr	the corresponding answer, issed to a function definition are called (b) Subroutines (d) Definition or called (b) Derived datatype (d) Abstract datatype (d) Abstract datatype (d) Abstract datatype (d) Protected members (d) Protected members (d) Private members (d) Private members (e): Sused in programming languages to map the (b):= (c) = (c) = (d) (d) (e): Intotic evaluation represents (e): Subroutines

```
22 What will be the output of the following Python Code?
     str1 = "EMIS"
     print(str1*3)
  23. Differentiate del with Remove() Function of List.
  24. Find the output
     >>> (x, y, z, p) = (2**2, 5/3+4, 15%2, 34>65)
     >>> print(x, y, z, p)
                                              Part - III
 III. Answer any 6 of the following: Q.No 33 is compulsory.
                                                                                           6×3=18
 25. Differentiate Pure and Impure Function.
 26 Define Local scope with an example.

    Discuss about Algorithmic complexity and its types.

 28. Explain Ternary operator with examples.
 29 Find the output.
    x = 10
    while (x<=15):
        print (x, end=\t')
        x=x+1
    else:
        print (In Value of x when the loop exit ", x)
 30. Differentiate Ceil() and Floor() Function?
 31. Write a Python code to check whether a given year is leap year or not.
32. Write a Python program to display the given pattern
        COMPUTER
        COMPUTE
        COMPUT
        COMPU
       COMP
       COM
       CO
33. >>> A="tamilnadu"
   >>> print(len(A))
   >>>print(A.upper())
   >>>A.isalpha()
                                              Part - IV
                                                                                              5×5=25
IV. Answer all questions:
34. (a) What are called Parameters and write a note on
                                             (ii) Parameter with Type.
       (i) Parameter without Type
                              (OR)
   (b) How will you facilitate data abstraction. Explain it with suitable example
35. (a) Write any Five Characteristics of Modules.
                              (OR)
  (b) Explain the Bubble Sort Algorithm with example.
36. (a) Explain input() and print() functions with examples.
                              (OR)
   (b) Explain the following built-in functions.
                                       (iii) round().
                                                     (iv) type()
                                                                          (v) pow()
                     (ii) chr()
       (i) id()
37. (a) Using if...elif...else statement check Smallest of Three numbers.
                              (OR)
   (b) Explain about String Operators in Python with suitable example.
38. (a) Explain the different Set Operations supported by python with suitable example.
                              (OR)
   (b) Write the Output for the following Snippet.
                >>> Tup1 = (12, 78, 91, "Tamil", "Telugu", 3.14, 69.48)
       (i) print(Tup1)
       (ii) print(Tup1[2:5])
       (iii) print(Tup1[:5])
       (iv) print(Tup1[4:])
       (v) print(Tup1[:])
                                                                                         CH/12/CS/2
```