

Reg. No. :

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**Question Paper Code: 58263**

B.E. / B.Tech.DEGREE EXAMINATION, MAY 2018

One credit course

Computer Science Engineering

15UCS863 - PYTHON PROGRAMMING

(Regulation 2015)

Duration: 1.30 hours

Maximum: 50 Marks

Answer ALL Questions

PART A - (20 x 1 = 20 Marks)

1. Which of these is not a core data type? CO1- R  
(a) Lists (b) Dictionary (c) Tuples (d) Class
2. What is the return type of function id? CO1- R  
(a) int (b) float (c) bool (d) dict
3. What data type is the object below? CO1- R  
L = [1, 23, 'hello', 1]  
(a) List (b) dictionary (c) array (d) tuple
4. To start Python from the command prompt, use the command CO1- R  
(a) execute python (b) run python (c) python (d) go python
5. The function range(5) return a sequence \_\_\_\_\_. CO1- R  
(a) 1, 2, 3, 4, 5 (b) 0, 1, 2, 3, 4, 5 (c) 1, 2, 3, 4 (d) 0, 1, 2, 3, 4
6. What is max(3, 5, 1, 7, 4)? CO1- R  
(a) 1 (b) 3 (c) 5 (d) 7

7. If a function does not return a value, by default, it returns CO3- R  
(a) none (b) int (c) double (d) public
8. The keyword \_\_\_\_\_ is required to define a class. CO3- R  
(a) def (b) return (c) class (d) all of the above
9. In SPM Debugging defines to : CO3 R  
(a) def (b) return (c) class (d) all of the above
10. The missing function body should be \_\_\_\_\_. CO3 R  
(a) return "number" (b) print(number) (c) print("number") (d) return number
11. The \_\_\_\_\_ creates an object in the memory and invokes \_\_\_\_\_.  
(a) the \_\_init\_\_ method (b) the init method  
(c) the initialize method (d) the \_\_str\_\_ method
12. Given a string s = "Welcome", what is s.count('e')? CO3- R  
(a) 1 (b) 2 (c) 3 (d) 4
13. Suppose list1 is [1, 3, 2, 4, 5, 2, 1, 0], What is list1[-1]? CO3- R  
(a) 3 (b) 5 (c) 0 (d) 1
14. Suppose list1 is [1, 3, 2], what is sum(list1)? CO3- R  
(a) 5 (b) 4 (c) 6 (d) 2
15. Suppose d = {"john":40, "peter":45}, d["john"] is \_\_\_\_\_. CO3-R  
(a) 40 (b) 45 (c) "john" (d) "peter"
16. Which of the following is a Python list? CO3-R  
(a) [1, 2, 3] (b) (1, 2, 3) (c) {1, 2, 3} (d) {}

17. What is k after invoking nPrint("A message", k)? CO3- R
- (a) 0                      (b) 1                      (c) 2                      (d) 3
18. Which of the following is a Python tuple? CO2- R
- (a) [1, 2, 3]              (b) (1, 2, 3)              (c) {1, 2, 3}              (d) {}
19. Which of the following is not a type of inheritance? CO2- R
- (a) double-level              (b) multi-level              (c) single-level              (d) multiple
20. `def main():` CO2-R  
`obj = Demo_derived()`  
`print(obj.change())`
- `main()`
- (a) 11                      (b) 2                      (c) 1                      (d) An exception is thrown

PART – B (2 x 15= 30Marks)

21. (a) Briefly explain python tuples operations. CO1-U      (15)
- Or
- (b) Write a python program to swap of two numbers using call by value and call by reference? CO1-App      (15)
22. (a) Briefly explain the various types of inheritance in python. CO3-U      (15)
- Or
- (b) Explain in details about the constructor and destructor. CO3-U      (15)

