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Question Paper Code: 58263

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

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. Select all options that print CO1- R
hello-how-are-you
(a) `print('hello', 'how', 'are', 'you')`
(b) `print('hello', 'how', 'are', 'you' + '-' *)`
(c) `print('hello', 'how', 'are', 'you' + '-' *)`
(d) `print('hello' + '-' + 'how' + '-' + 'are' + '-' + 'you')`
2. If a function does not return a value, by default, it returns _____. CO1- R
(a) int (b) double (c) public (d) None of the above
3. What is the output of the following code? CO1- R
`x = 0`
`if x < 4:`
`x = x + 1`
`print("x is", x)`
(a) x is 0 (b) x is 1 (c) x is 2 (d) x is 3
4. 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, 4,5

5. What is `min(3, 5, 1, 7, 4)`? CO1- R
 (a) 1 (b) 3 (c) 5 (d) 0, 7
6. What is the output for `y`? CO1- R
`y = 0`
`for i in range(0, 10):`
`y += i`
`print(y)`
 (a) 10 (b) 11 (c) 12 (d) None of the above
7. What is `max("Programming is fun")`? CO2- R
 (a) p (b) r (c) u (d) None of the above
8. What is `"Programming is fun"[4: 6]`? CO2- R
 (a) ram (b) ra (c) r (d) Pro
9. To concatenate two strings `s1` and `s2` into `s3`, use _____. CO2- R
 (a) `s3 = s1 + s2` (b) `s3 = s1.add` (c) `s3 = s1.__add` (d) `s3 = s1.__add__(s2)`
10. What is `len("Nice")`? CO2- R
 (a) 1 (b) 2 (c) 3 (d) 4
11. What is `list("good")`? CO2- R
 (a) `['g', 'o', 'o', 'd']` (b) `['go']` (c) `['od']` (d) `['good']`
12. Given a string `s = "Welcome"`, what is `s.count('e')`? CO3- R
 (a) 1 (b) 2 (c) 3 (d) 4
13. Which of the following statement is false? CO3- R
 (a) Lists are mutable (b) Tuples are mutable
 (c) Sets are mutable (d) Strings are mutable

14. A package is a directory on the file system which contains a file named_____. CO3- R
 (a) __init__.py (b) __package__.py (c) __main__.py (d) __namespace__.py
15. Suppose d = {"john":40, "peter":45}, d["john"] is _____. CO3-R
 (a) 40 (b) 45 (c) "john" (d) "peter"
16. The method to overload + operator in Python is CO3-R
 (a) def operator+(self, object): (b) def +(self, object):
 (c) def __+__(self, object): (d) def __add__(self, object)
17. What does built-in function type do in context of classes? CO3- R
 (a) Determines the object name of any value (b) Determines the class name of any value
 (c) Determines class description of any value (d) Determines the file name of any value
18. A package is a directory on the file system which contains a file CO3- R
 named_____.
 (a) __init__.py (b) __package__.py (c) __main__.py (d) __namespace__.py
19. Which of the following is a Python list? CO3- R
 (a) [1, 2, 3] (b) (1, 2, 3) (c) {1, 2, 3} (d) {}
20. What does built-in function help do in context of classes? CO3-R
 (a) Determines the object name of any value
 (b) Determines the class identifiers of any value
 (c) Determines class description of any built-in type
 (d) Determines class description of any user-defined built-in type

PART – B (2 x 15= 30 Marks)

21. (a) Explain in details about any 6 string library functions in python. CO1-U (15)
 Or
 (b) Briefly explain python tuples operations. CO1-U (15)

22. (a) Write a python program to generate prime numbers and Fibonacci series of given limit using recursive function? CO2-U (15)

Or

- (b) Briefly explain the various types of object programming concepts in python. CO3-U (15)