Question Paper Code: 41285

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2017

ONE CREDIT COURSE

Computer Science and Engineering

14UCS863/15UCS863 - PYTHON PROGRAMMING

(Regulation 2014/2015)

Duration: One hour   Maximum: 50 Marks

Answer ALL Questions

PART A - (20 x 1 = 20 Marks)

1. Which of these in not a core datatype?

    (a) Lists   (b) Dictionary   (c) Tuples   (d) Class

2. What is the return type of function id?

    (a) int   (b) float   (c) bool   (d) dict

3. What dataype is the object below?

    L = [1, 23, 'hello', 1]

    (a) List   (b) dictionary   (c) array   (d) tuple

4. In order to store values in terms of key and value we use what core datatype.

    (a) List   (b) tuple   (c) class   (d) dictionary

5. What is the average value of the code that is executed below?

    >>>grade1 = 80
    >>>grade2 = 90
    >>>average = (grade1 + grade2) / 2

    (a) 85   (b) 85.0   (c) 95   (d) 95.0

6. Python was created by

    (a) James Gosling   (b) Bill Gates   (c) Steve Jobs   (d) Guido van Rossum

7. To start Python from the command prompt, use the command

    (a) execute python (b) run python   (c)python   (d) go python

8. The function range(5) return a sequence

    (a) 1, 2, 3, 4, 5   (b) 0, 1, 2, 3, 4, 5   (c)1, 2, 3, 4   (d) 0, 1, 2, 3, 4

9. If a function does not return a value, by default, it returns

    (a) intb   (b) double   (c) public   (d) null

10. The keyword _____ is required to define a function.

    (a) def   (b) return   (c) class   (d) All the above

11. A package is a directory on the file system which contains a file named.

    (a) __init__.py   (b) __package__.py
    (c) __main__.py   (d) __namespace__.py

12. Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is len(list1).

    (a) 6   (b) 7   (c) 8   (d) 5

13. What will be displayed by the following code?

d = {"john":40, "peter":45}

print(list(d.keys()))

    (a) ["john", "peter"]   (b) ["john":40, "peter":45]
    (c) ("john", "peter")   (d) ("john":40, "peter":45)

14. _____ is to implement one function in the structure chart at a time from the top to the bottom?

    (a) Bottom-up approach   (b) Top-down approach
    (c) Bottom-up and top-down approach   (d) Stepwise refinement

15. _____ is a simple but incomplete version of a function.

    (a) A stub
    (b) A function
    (c) A function developed using botton-up approach
    (d) A function developed using top-down approach

16. To inherit a class from a base class, the syntax in Python is

    (a) class Derived(Base):   (b) class Derived::Base:
    (c) class Derived:Base: (d) class Derived extends Base

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17. The method to overload + operator in Python is

    (a) def operator+(self, object):   (b) def +(self, object):

    (c) def __+__(self, object):   (d) def __add__(self, object)

18. The keyword _____ is required to define a class.

    (a) def   (b) return   (c) class   (d) All the above

19. _____ is used to create an object.

    (a) A constructor   (b) A class

    (c) A value-returning method   (d) None of these

20. _____ represents an entity in the real world that can be distinctly identified.

    (a) A class   (b) An object   (c) A method   (d) A data field

PART - B (2 x 15 = 30 Marks)

21. (a) Briefly discuss about the data types supported by Python.   (15)

Or

    (b) Illustrate how to work with dictionaries and List in Python with suitable example.

                                                   (15)

22. (a) Demonstrate creating and using user defined module in python.   (15)

Or

    (b) Write short notes on functions available in String and the built-in functions that can be applied to sequences.   (15)

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