C

Question Paper Code: 59830

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

Elective

Information Technology

15UIT930- PYTHON PROGRAMMING

(Regulation 2015)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. What is the output of the program?   CO1- R
    a = 10
    b = "Hello"
    c = a+b
    print c

    (a) Syntax Error   (b) Runtime Error   (c) 10Hello   (d) 10 Hello

2. What is the data type of the object 'a' given below?   CO2- R
    a=3+"3"

    (a) int   (b) char   (c) float   (d) string

3. What is the output of the following?   CO3- R
    A = [1,3,2,4]
    print A[-1]

    (a) 1   (b) 3   (c) 2   (d) 4

4. What is the last character to finish without error in the blank space   CO4- R
    if a == 10
    print "Hi"

    (a) .dot   (b) ,comma   (c) : colon   (d) ; Semi colon

5. A = 10. Here the variable a behaves as   CO5- R

    (a) object   (b) int   (c) char   (d) long

PART – B (5 x 3= 15Marks)

6. Which operator is used to concatenate two data types in python?   CO1- R

7. What do you mean by the term recursion?   CO2- R

8. How will you concatenate two lists?   CO3- R

9. What is an exception?   CO4- R

10. Find a method to access elements in array and list.   CO5- App

PART – C (5 x 16= 80Marks)

11. (a) Develop an algorithm to calculate sum of numbers from 1 to N   CO1- App   (16)

                                    Or

    (b) Identify any four methods that can be used with list data type.   CO1- App   (16)

12. (a) Develop a python program to find factorial of a given number   CO2- App   (16)

                                    Or

    (b) List any two sorting algorithm with an example python code.   CO2- Ana   (16)

13. (a) Analyze a code with proper exception handling and without   CO3- Ana   (16)
         exception handling and conclude a scenario where exception
         handling is not necessary.
                                    Or

    (b) Inspect the method for function declaration and definition in   CO3- Ana   (16)
         python without braces.

14. (a) Explain socket programming in python with a sample code to   CO4- U   (16)
         send an email.

                                    Or

    (b) Analyze GET POST methods used in a python program and list   CO4- Ana   (16)
         out the areas where it is applied.

15. (a) Summarize an algorithm to copy contents of a file to another with   CO5- U   (16)
         a python program.
                                    Or

    (b) Illustrate a method to move a folder using a python code.   CO5- U   (16)

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