

Code: 13A05806

B.Tech IV Year II Semester (R13) Regular & Supplementary Examinations April 2018

PYTHON PROGRAMMING

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) List out any three applications of Python programming.
 - (b) Write the indentation rules followed in Python.
 - (c) What is the purpose of identity operator? Give example.
 - (d) What are the steps to run a python script.
 - (e) What are the features of Tuple data structure?
 - (f) What are the uses of Dictionary data structure in Python?
 - (g) How to handle variable arguments in a function?
 - (h) What are the differences between error and exception?
 - (i) Give an example code for defining a class in python.
 - (j) List out any four library for GUI programming in Python.

PART – B
(Answer all five units, 5 X 10 = 50 Marks)**UNIT – I**

- 2 (a) Write a history about python programming in chronological order.
(b) Describe about the specialty of python and its needs.

OR

- 3 Write a python program to get a list of names from keyboard and display the list in sorted order.

UNIT – II

- 4 Elaborate the available types of operators in python with example code segment.

OR

- 5 Describe about various control flow statements used in Python with examples.

UNIT – III

- 6 (a) What is a sequence in python? Write a simple program to explain sequence.
(b) Discuss the various operations that can be performed on a set and dictionary (minimum 5) with an example program.

OR

- 7 (a) Explain how to create comprehension list in Python with an example.
(b) Describe various built-in functions for manipulating list data structure in python.

UNIT – IV

- 8 (a) Define a python function to swap two variables values.
(b) Write a suitable program to explain passing default arguments to a function.

OR

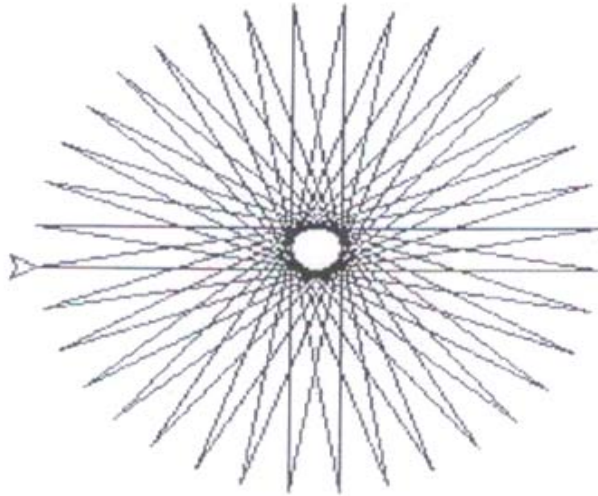
- 9 (a) Write steps to create a package in python.
(b) Explain how to handle scope of variables in python.

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UNIT – V

- 10 (a) Write a turtle graphics program to draw a following emblem.



- (b) Write short not on math library used in Python.

OR

- 11 (a) Describe about various OS interfaces available in python.
(b) Explain how to create a simple test case for a simple class definition in python.

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