

Code: 13A05806

B.Tech IV Year II Semester (R13) Advanced Supplementary Examinations July 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 twelve keywords in python.
 - (b) Write various I/O statements followed in python.
 - (c) What is the purpose of membership operators?
 - (d) What will be the output of `>>>m = [[x, x +1, x +2] for x in range (0, 3)]`?
 - (e) What are the features of dictionary data structure?
 - (f) What are the uses of tuple data structure in python?
 - (g) How to handle default arguments in a function?
 - (h) What is an anonymous function?
 - (i) Give an example code for try exception block.
 - (j) What is meant by data hiding in python?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Is Python a “Scripting language”? Describe the need of python programming.

OR

- 3 Show how an input and output function is performed in python with an example.

UNIT – II

- 4 Elaborate the available string manipulation facilities in python.

OR

- 5 Describe about various operators used in python with examples.

UNIT – III

- 6 (a) Discuss the difference between tuples and list.
(b) Discuss the various operation that can be performed on a tuple and lists (minimum 5) with an example program.

OR

- 7 Explain all built-in methods for sequences data structure in python.

UNIT – IV

- 8 (a) Write a suitable python program to describe scope of variables.
(b) Write a suitable program to explain passing variable length arguments to a function.

OR

- 9 (a) Write steps to create a module in python.
(b) Write steps to install a package via PIP.

UNIT – V

- 10 Explain how to implement constructor and destructor in python with example.

OR

- 11 (a) Describe about various user interfaces available in python GUI library.
(b) Write a program in python to display any five interfaces on a form.
