

CBCS Scheme

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15NT62

Sixth Semester B.E. Degree Examination, June/July 2018 Python Programming Languages for Automation

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions, choosing one full question from each module.

Module-1

- 1 a. Mention the different modes of programming. Explain interactive programming in detail with an example. (08 Marks)
- b. Mention and explain Python features for automation. (08 Marks)

OR

- 2 a. Mention the different modes of programming. Explain script mode programming in detail with example. (08 Marks)
- b. Explain parsing command line arguments. With valid syntax, explain getopt method detail in brief. (08 Marks)

Module-2

- 3 a. Assume the variables and write a program related to python comparison operators including all the operations. (08 Marks)
- b. Assume the variables and write a program related to python bitwise operators including all the operations. (08 Marks)

OR

- 4 a. Assume the variables and write a program related to python arithmetic operators including all the operations. (08 Marks)
- b. Mention the different types of operators, description and suitable example related to python logical, membership and Identify operators. (08 Marks)

Module-3

- 5 a. With flow diagram and program explain the concept of if statement in decision making. (08 Marks)
- b. Explain the concept of continue statement involved in loop control statements with flow diagram and program. (08 Marks)

OR

- 6 a. With flow diagram and program explain the concept of for loop statement. (08 Marks)
- b. Explain the concept of single statement suites and pass statement related to decision making and loop control statements respectively. (08 Marks)

Module-4

- 7 a. Explain the concept of number type conversion. Mention the function and description of mathematical functions related to python numbers. (08 Marks)
- b. Discuss the operator functions of string special operators and string formatting operator in detail. (08 Marks)

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OR

- 8 a. Write a program for the given syntax and tabulate the results.
i) Isnumeric () ii) Islower () (08 Marks)
- b. Explain in brief about Accessing values in strings, updating strings and Escape characters related to python numbers. (08 Marks)

Module-5

- 9 a. Define Python lists. With a program, explain the concept of Accessing values in Lists, updating lists and deleting list elements. (08 Marks)
- b. Explain in brief about Built. in tuple functions and methods, Indexing, Slicing and matrixes and Basic tuple operations. (08 Marks)

OR

- 10 a. Define python tuples? With program explain the concept of accessing values in tuples, Updating tuples and deleting tuple elements. (08 Marks)
- b. With assumed tuple write a program for the given syntax min(tuple) and seg(tuple). (04 Marks)
- c. With assumed tuple write a program for the syntax len (tuple) and Max (tuple) (04 Marks)

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