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Total No. of Printed Pages: 1

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B. Sc. (Graphics and Web Designing) (Semester – 4th)

PROGRAMMING IN PYTHON

Subject Code: BGWDS1-401

Paper ID: [21132614]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a What is the role of indentation in Python?
- b What are generator functions?
- c How formatted output is performed in Python?
- d What are the different methods of slicing strings?
- e What are the different operations performed on sets?
- f What are the built-in functions for lists?
- g How multiple values are returned from functions?
- h Define anonymous functions.
- i What are user-defined exceptions?
- j Write the procedure of renaming and deleting files.

Section – B

(5 marks each)

- Q2. What are associative and non-associative operators in Python?
- Q3. What are the different control structures in Python? Explain giving examples.
- Q4. What are the different methods of parameter passing? Explain giving examples.
- Q5. Define dictionaries. What are the methods of converting strings and list to dictionaries? Explain giving examples.
- Q6. How object oriented programming is implemented in Python? Explain.

Section – C

(10 marks each)

- Q7. Define modules. How modules are created and used in Python? Explain giving example.
- Q8. Define exception handling as used in Python. Explain any seven types of exceptions.
- Q9. Write a program to find frequency of alphabets from a text file, using dictionary.