21BSC5C5CSL

B.Sc. V Semester Degree Examination, Sept./Oct. - 2024
COMPUTER SCIENCE
DSC5 : Programming in Python
(NEP)

Time : 2 Hours — Maximum Marks : 60

SECTION - A

1. Answer the following sub-questions, each sub-question carries **one** mark. **10x1=10**

   (a) Who developed Python Programming ?

   (b) Define Keywords.

   (c) What is an Exception ?

   (d) Write a syntax to define function.

   (e) Write the basic tuple operations.

   (f) What is Set ?

   (g) Mention the basic file types.

   (h) What is Encapsulation ?

   (i) What is Nested List ? Write Syntax.

   (j) What are the Built-In Function used in Dictionaries ?

SECTION - B

Answer **any four** of the following, each question carries **5** marks. **4x5=20**

2. Explain the basic datatypes in Python.

3. What is String ? Explain the string Methods.

4. Write a program to implement stock using list.

5. Explain the various access modes of the File.

6. Explain creating of classes and objects in Python with example.

7. Explain exception handling with an example.

SECTION - C

Answer **any three** of the following questions, each question carries **10** marks.

3x10=30

8. Explain features of Python.

9. What is Inheritance ? Explain the types of Inheritance.

10. Write a Python program for arithmatic operation with output.

11. Explain the function definition and calling function ? With an example.

12. Write a Python Program to draw line chart and bar chart using matplot Lib.

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