FD-2872

BCA (Part-III) Examination, 2022

Paper - II

Programming in Python

Time : Three Hours]   [*Maximum Marks* :   80
                                    [*Minimum Pass Marks* :   27

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (*a*) Write short notes on python installation and its interactive shell.

   (*b*) Expalin the basic data types available in python with example.

   (*c*) Write a python code to find greatest of three numbers, inputed by the users.

Unit-II

2. (*a*) Write python code to create the following patterns :

        *
        * *
        * * *
        * * * *

   (*b*) Explain the difference between break, continue and pass in python with an example.

   (*c*) What is Recursion ? Demonstrate with an example.

Unit-III

3. (*a*) Write short notes on file manipulating methods for creating, reading, writing and deleting a file.

   (*b*) Write python program to read the content of a text file and display it on the screen.

   (*c*) Explain any five string manipulation methods.

Unit-IV

4. (*a*) What are the characteristics of a list ? Compare a list and a tuple.

DRG_19_(3)   *(Continued)*

   (*b*) Explain the different operations performed on a dictionary with an example.

   (*c*) Explain tuple manipulation of a stack or a queue using list.

Unit-V

5. (*a*) What are modules. Explain with an example by importing modules.

   (*b*) What do you understand by Exception Handling ? Write a program to demonstrate the following :

      (*i*) try

      (*ii*) except

      (*iii*) finally

   (*c*) Explain the use of packages in python with an example.

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