

# **FD-2872**

BCA (Part-III) Examination, 2022

Paper - II

Programming in Python

Time: Three Hours] [Maximum Marks: 80

[Minimum Pass Marks: 2

**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:

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- (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.

- (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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