

B.C.A Semester - 6 (CBCS) Examination
May/June-2021 (NEW COURSE)
Programming in Advance Python-2 (Core)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

Q.1(A) Attempt the followings. (03)

1. Tkinter is used to create _____ applications.
2. What is widget?
3. We can use any number of top-level windows in application. (True/False)

Q.1(B) Attempt the following. (Any two) (06)

1. Explain Tkinter Button with example.
2. Explain Tkinter LabelFrame with example.
3. Differentiate Text and Entry widget.
4. List various methods of Menu Widget.

Q.1(C) Attempt the following. (Any one) (05)

1. Explain Tkinter canvas with example.
2. Explain Tkinter MessageBox in detail.

Q.2(A) Attempt the followings. (03)

1. NumPy was created by _____
2. NumPy contains a Matrix Library _____
3. Which function is used to calculate the middle element of data?

Q.2(B) Attempt the following. (Any two) (06)

1. What is Numpy? How it is useful?
2. What is Narray? Describe its dimensions.
3. Explain multiply (), title () and join () of NumPy.
4. Differentiate copies and views in Numpy.

Q.2(C) Attempt the following. (Any one) (05)

1. Explain Numpy Data types.
2. Explain Numpy Broadcasting.

Q.3(A) Attempt the followings. (03)

1. What is PyLab?
2. Plot can be saving in file using _____ method.
3. _____ method adds item to a multithreaded queue.

- Q.3(B) Attempt the following. (Any two) (06)
1. How can we do plotting using PyLab?
 2. List all markers available in plots.
 3. What is thread?
 4. How can we start a new thread?
- Q.3(C) Attempt the following. (Any one) (05)
1. Explain Threading module with example.
 2. Explain synchronizing threads with example.
- Q.4(A) Attempt the followings. (03)
1. _____ Function is used to create database connection in mysql with python.
 2. _____ Method id used to fetch single record from database table.
 3. _____ Method is used to close current cursor object.
- Q.4(B) Attempt the following. (Any two) (06)
1. Write steps to python program that interact with a MySQL based database.
 2. How to create connection with database in python?
 3. How to create Database from python?
 4. How can we delete object from database in Python?
- Q.4(C) Attempt the following. (Any one) (05)
1. Write a code to create Database login page in Python using Tkinter.
 2. Write a code to insert and update data.
- Q.5(A) Attempt the followings. (03)
1. Write full form of MVT.
 2. _____ file is run to activate environment for Django project.
 3. Which file is used to interact with your Django project via the command line?
- Q.5(B) Attempt the following. (Any two) (06)
1. What is Django? How it is useful?
 2. Write features of Django.
 3. Write steps for Django installation.
 4. Discuss HttpRequest class.
- Q.5 (C) Attempt the following. (Any one) (05)
1. Explain MVC design pattern.
 2. Explain Django project architecture.
