**BCA6PytC330x**                  Seat No :_____

# B.C.A Semester - 6 (*CBCS*) Examination
## April/May-2022 (NEW COURSE)
## Programming in Advance Python-2 (Core (New))

**Time: 2:30 Hours**                                                                                              **Marks: 70**

**Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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Que-1(A)  Answer the following questions.                                                                       (03)

1.  _____ command used for check Tkinter present on your computer or not.

2.  Tkinter is a standard _____ library for python.

3.  _____ method is used to create and change the name of the window.

Que-1(B)  Answer the following question. (Any Two)                                                              (06)

1.  Explain Tkinter window.

2.  Explain Tkinter Pack() method.

3.  Explain Tkinter widgets.

4.  Explain Tkinter Place() method.

Oue-1(C)  Answer the following question. (Any One)                                                              (05)

1.  Explain Tkinter Grid() method with example.

2.  Explain Tkinter Text and Frame with example.

Que-2(A)  Answer the following questions.                                                                       (03)

1.  NumPy stands for _____.

2.  NumPy performs array-oriented computing. (True/False)

3.  Ndarray stands for _____.

Que-2(B)  Answer the following question. (Any Two)                                                              (06)

1.  Explain NumPy data types.

2.  Explain NumPy mathematical Functions.

3.  Explain NumPy Ndarray.

4.  Explain Bitwise Operators.

Que-2(C)  Answer the following question. (Any one)                                                              (05)

1.  Explain NumPy Linear Algebra with example.

2.  Explain sorting and searching in NumPy with example.

Que-3(A)  Answer the following questions.                                                                       (03)

1.  If you want to install PyLab, you must also install _____.

2.  _____ function used to make some changes to figure.

3.  _____ plot is a type of plot that shows the data as a collection of points.

Que-3(B)   Answer the following question. (Any Two)                                    (06)

1.  Explain MatPlotlib methods.

2.  Explain Synchronizing threads.

3.  Difference between Python Multithreading and Multiprocessing.

4.  Explain scatter() method.

Que-3(C)   Answer the following question. (Any One)                                    (05)

1.  Explain Thread Methods in details.

2.  Explain PyLab Bar chart with example.

Que-4(A)   Answer the following questions.                                             (03)

1.  Django automatically creates a _____ database for your project.

2.  By default _____ file is used as a Django setting file.

3.  _____ module is used to connect python application with the MySQL.

Que-4(B)   Answer the following question. (Any Two)                                    (06)

1.  Explain Model class and variable.

2.  Explain database fields.

3.  Explain database Configuration Django With SQLite.

4.  Explain get() and filter() method.

Que-4(C)   Answer the following question. (Any One)                                    (05)

1.  Explain Basic data access in details.

2.  Explain Database with Tkinter in details.

Que-5(A)   Answer the following questions.                                             (03)

1.  Full form of WAF is _____.

2.  MVC stands for _____.

3.  When a page is requested, Django creates _____object.

Que-5(B)   Answer the following question. (Any Two)                                    (06)

1.  Explain advantages of Django.

2.  What is MVT architecture?

3.  Explain Django project architecture.

4.  Explain request-response cycle.

Que-5(C)   Answer the following question. (Any One)                                    (05)

1.  Create View using Django.

2.  Explain Django basic template filters.

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