BCA6PytC330x   Seat No :_____

B.C.A Semester - 6 (*CBCS*) Examination
March/April-2023 (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.

Q.1(A)   Answer the following questions.   (03)
        1. Define Tkinter Label.
        2. Define Tkinter Button.
        3. Which Property is use to set the color of the font in Tkinter button?

Q.1(B)   Answer the following question. (Any Two)   (06)
        1. Explain Tkinter Listbox in brief.
        2. Explain Tkinter Entry in brief.
        3. Write down the difference between Tkinter Radiobutton & Tkinter Checkbutton.
        4. Explain Tkinter Scrollbar with its usage.

Q.1(C)   Answer the following question. (Any one)   (05)
        1. List out the types of Tkinter Message box in brief.
        2. Write a code to design three Menu with the name File, Edit & Help using Tkinter.

Q.2(A)   Answer the following questions.   (03)
        1. Define NumPy array.
        2. Full form of NumPy.
        3. List out Bitwise Operator of Python.

Q.2(B)   Answer the following question. (Any Two)   (06)
        1. List out NumPy Data type in brief.
        2. Explain sorting & searching operation of NumPy Array in brief.
        3. What is the difference between Copies and Views?
        4. List out any three String Function with suitable example.

Q.2(C)   Answer the following question. (Any one)   (05)
        1. List out any five Mathematical function with suitable Example.
        2. Explain NumPy Array Iteration with suitable example.

Q.3(A)   Answer the following questions.   (03)
        1. Define thread.
        2. Which method is use to run the thread?
        3. Which method is use to display the graph?

Q.3(B)   Answer the following question. (Any Two)   (06)
        1. Explain Scatter function with suitable example.
        2. Explain Thread Priority with its methods.
        3. Explain the Thread Synchronization with suitable example.
        4. Explain Thread with suitable example.

Q.3(C)   Answer the following question. (Any one)   (05)
        1. Explain Pie chart with suitable example.
        2. Explain Bar chart with suitable example.

Q.4(A)   Answer the following questions.   (03)
        1. Define model.
        2. Which Query is use to display the data from the table?
        3. Which Query is use to detele the data from the table?

Q.4(B)   Answer the following question. (Any Two)   (06)
1.   Write down the code to create database.
2.   Write down the code to create table.
3.   Explain get() and filter() method for update operations.
4.   Write down the code to insert 5 records in the table (table name: student).

Q.4(C)   Answer the following question. (Any one)   (05)
1.   Write down the code to display records from the student table on the base of the name field.
2.   Write down the code to update any three records on the base of the name field and display all the records.

Q.5(A)   Answer the following questions.   (03)
1.   Full form of MVT.
2.   Full form of HTTP.
3.   Which command is use to start the Server?

Q.5(B)   Answer the following question. (Any Two)   (06)
1.   Explain HTTP Client-Server-Request–Response.
2.   What is the use of urls.py file of Django?
3.   Explain MVC pattern.
4.   Write down commands of creating project and creating application in Django.

Q.5(C)   Answer the following question. (Any one)   (05)
1.   Explain Django project architecture.
2.   Write a code to run the application which print "Hello World" using Django.
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