

B.C.A Semester - 6 (CBCS) Examination**March/April-2024 (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) Attempt following questions. (03)
1. _____ method of tkinter create a master window(GUI).
 2. _____ option of Entry widget display password character as Text.
 3. Which widget provide multiline input from the user on GUI?
- Que-1(B) Attempt following. (Attempt Any Two) (06)
1. Explain grid() and pack() geometry methods.
 2. Explain MessageBox widget with its methods.
 3. Explain Button widget with an example.
 4. Explain Listbox widget with an example
- Que-1(C) Attempt following. (Attempt Any One) (05)
1. Explain Entry, Text widget with an example.
 2. Explain Menu, Menubutton widget with an example.
- Que-2(A) Attempt following questions. (03)
1. NumPy version string is stored under np._____ attribute.
 2. _____ attribute of ndarray object return number of dimension.
 3. numpy.array(5000) create _____ dimensional ndarray object.
- Que-2(B) Attempt following. (Attempt Any Two) (06)
1. Explain np.array() and np.asarray() with an example.
 2. Explain np.frombuffer() and np.fromiter() with an example.
 3. Explain np.arange() and np.linspace() with an example.
 4. Explain numpy bitwise operator.
- Que-2(C) Attempt following. (Attempt Any One) (05)
1. Explain NumPy Brodcasting with an example.
 2. Explain any five NumPy String functions
- Que-3(A) Attempt following questions. (03)
1. _____method display plot in pyplot.
 2. The _____method is the entry point for a thread.
 3. The _____method checks whether a thread is still executing.
- Que-3(B) Attempt following. (Attempt any two) (06)
1. Explain pie plot in Python.
 2. What is Thread? Explain methods provided by Thread class in Python.
 3. Explain bar plot in Python.
 4. Explain scatter plot in Python.
- Que-3(C) Attempt following. (Attempt any one) (05)
1. Explain Multithreaded Priority Queue with suitable example.
 2. How to represent Multiple plot within pyplot? Explain with an example
- Que-4(A) Attempt following questions. (03)
1. Which query is use to access data from the table?
 2. Which query is use to delete the data from the table?
 3. What is model?

- Que-4(B) Attempt following. (Attempt any two) (06)
1. Write down the code to create table in database.
 2. Write down the code to fetch all data from table.
 3. Write down the code to insert data in table.
 4. Explain get() and filter() method for update operations
- Que-4(C) Attempt following. (Attempt any one) (05)
1. Write down the code to access data from emp table those who earn salary more than average salary.
Table Name emp Columns empno, ename, deptno, salary
 2. Explain database defining Model in Python.
- Que-5(A) Attempt following questions. (03)
1. _____ command is used to create admin account for admin panel.
 2. _____ command is used to create django project.
 3. _____ command is used to create application in django project.
- Que-5(B) Attempt following. (Attempt any two) (06)
1. What is django? Explain installation steps of django.
 2. How to start django project? Explain with an example.
 3. Explain django MVT pattern in detail.
 4. Explain django application life cycle.
- Que-5(C) Attempt following. (Attempt any one) (05)
1. Explain HTTP Request and HTTP Response concept of web application.
 2. Explain django project structure in detail.
