

B.C.A Semester - 6 (CBCS) Examination**March/April-2025 (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. What is tkinter?
 2. _____ geometry method arrange component in tabular form.
 3. What is widget?
- Que-1(B) Attempt following. (Attempt Any Two) (06)
1. Explain Entry widget with an example.
 2. Explain Text widget with an example.
 3. Explain Button widget with an example.
 4. Explain pack() geometry method with an example.
- Que-1(C) Attempt following. (Attempt Any One) (05)
1. Explain CheckButton, RadioButton widget with an example.
 2. Explain Message, MessageBox widget with an example.
- Que-2(A) Attempt following questions. (03)
1. What is Numpy?
 2. What is ndarray?
 3. np.bitwise_or(5,3) return _____ value.
- Que-2(B) Attempt following. (Attempt Any Two) (06)
1. Explain Numpy Bitwise operators.
 2. Explain np.around(), np.ceil() and np.floor() functions.
 3. Explain np.array(), np.asarray() functions.
 4. Explain np.frombuffer() and np.fromiter() with an example.
- Que-2(C) Attempt following. (Attempt Any One) (05)
1. Explain np.arange(), np.logspace() methods with an example.
 2. Explain Numpy Broadcasting in detail.
- Que-3(A) Attempt following questions. (03)
1. What is Thread?
 2. _____ method display plot in pyplot.
 3. What is Pyplot?
- Que-3(B) Attempt following. (Attempt any two) (06)
1. Explain bar plot in Python.
 2. Explain methods provided by Thread class in Python.
 3. Explain start_new_thread() function with example.
 4. Explain scatter plot in Python.
- Que-3(C) Attempt following. (Attempt any one) (05)
1. Explain pie() with suitable example.
 2. Explain synchronizing thread with an example.

- Que-4(A) Attempt following questions. (03)
1. Which query is use to access data in sorting manner?
 2. Which query is use to update the data from the table?
 3. Which query is use to insert data in the table.
- Que-4(B) Attempt following. (Attempt any two) (06)
1. Explain connection object with it's methods.
 2. Explain cursor object in detail.
 3. Write down the code to insert data in table.
 4. Write down the code to create table in database.
- Que-4(C) Attempt following. (Attempt any one) (05)
1. Write down the code to access data from Marksheet table those who get result pass.
Table Name Marksheet
Columns : SeatNo, Sname, Android, DMDW, Python, Grade
 2. Explain Model class and variable in detail.
- Que-5(A) Attempt following questions. (03)
1. wsgi stands for _____.
 2. Every models of application must register in admin.py file to access data at admin side. (True / False)
 3. _____ file navigate all urls within django project.
- Que-5(B) Attempt following. (Attempt any two) (06)
1. Explain django template execution in brief.
 2. What is View? Why it is useful in Django Project?
 3. Explain types migration commands available in Django.
 4. Explain HttpRequest and HttpResponse module available in Django.
- Que-5(C) Attempt following. (Attempt any one) (05)
1. Explain django project structure in detail.
 2. Explain django MVT pattern in detail.
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