



Biyani Girls College
First mid Term Examination 2025-26
BCA V Sem.
Subject- Python (BCA-75T-303)

Time: 3 Hrs.

MM: 80

[I]Very short answer questions.

(10 * 2 = 20)

Q1. Write the syntax for declaring and printing variables in Python.

Q2. What is the difference between mutable and immutable data types in Python? Give examples.

Q3. Write the output of the following code:

```
x = [1, 2, 3]
y = x
y.append(4)
print(x)
```

Q4. What is inheritance in Python OOP?

Q5. What are Python dictionaries? Write one use case.

Q6. What is an exception?

Q7. What is the purpose of the elif statement? Write an example.

Q8. Write a Python program to check whether an element exists in a tuple.

Q9. What is recursion? Give an example where recursion is useful.

Q10. Write a Python statement to import a module and use one of its functions.

[II]Long Questions.

(4 * 15 = 60)

Q1. Write python feature & application also write difference between Python and C++.

Q2. What are Python control statements? Explain conditional & looping Statement with examples.

Q3. Explain inheritance in Python with examples.

Q4. Explain object-oriented programming concepts in Python with examples.