



DCCA401

IV Semester B.C.A. Degree Examination, June/July - 2025
(NEP Scheme Freshers and Repeaters)

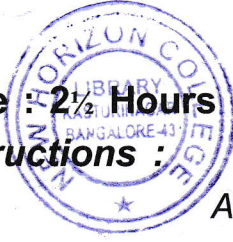
COMPUTER APPLICATION

Python Programming

Time : 2½ Hours

Maximum Marks : 60

Instructions :



Answer all the Sections.

SECTION - A

I. Answer any Six questions. Each question carries 2 marks. (6×2=12)

1. What is PVM in Python?
2. What is an identifier?
3. What are command line arguments?
4. Define indexing and Negative indexing with an example.
5. What is a Set?
6. What is text file? Give an example.
7. What are built in functions on dictionaries?
8. What is data frames?
9. What is SQLite database?

SECTION - B

II. Answer any Four questions. Each question carries 6 marks. (4×6=24)

10. Explain the different data types in python with an example.
11. What is an Exception? Explain any Four Built-in function in Exception.

[P.T.O.]



12. Explain the implementation of stacks using list in python.
13. Explain constructor methods in python with example.
14. Explain the different File Opening modes with an example.
15. Write a python program to draw histogram and pie chart using matplotlib.

SECTION - C

III. Answer any Three questions. Each question carries 8 marks. (3×8=24)

16. a) Explain the concepts of object oriented programming in python.
b) Explain the different types of loops in python.
17. a) Explain scope and lifetime of variables in functions.
b) Write a note on tell () and seek () method.
18. a) Explain creating tuples in python.
b) Explain operations on lists.
19. a) Explain operator overloading with an example.
b) Explain operations on files.
20. a) What is numpy? Explain the features of NumPy.
b) Explain the Array creation using NumPy with example.