



RAN - 2011000305020086

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T.Y.B.Sc. (Comp. Sci) (Sem. V) Examination November - 2023

Computer Science - XI

506 - Python Programming - 1

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

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नीचे दशविवेक निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.

Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (Comp. Sci) (Sem. V)

Name of the Subject :

Computer Science - XI
506 - Python Programming - 1

Subject Code No.: 2011000305020086

Seat No.:

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Student's Signature

Q.1 Answer the questions in short. (Any Seven)

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1. Explain python indentation giving example
2. How to write comments in Python? Give Example of it.
3. Give the output of below code.
a, b, c, d = 4, "Computer Science", 3.14, True
print(a)
print(b)
print(c)
print(d)
4. Give the output of below code.
String1 = "Python Programming"
print(String1)
print(String1[-1])
print(String1[3:7])
print(String1[3:1])

5. Explain explicit type conversion in python.
6. How Python is an interpreted language?
7. Explain shape() and reshape() method of NumPy.
8. Explain loc() and iloc() function of dataframe.
9. What are the characteristics of scatterplots?
10. Give some important features of data visualization.

Q. 2 Write answers for the followings. 12

- A. Explain application area of Python.
- B. Write a short note on List.

OR

- A. What is dictionary? Explain how to add, update and remove elements in dictionary.
- B. Explain Python users define function in detail.

Q. 3 Write answers for the followings. 12

- A. Write a short note on exception handling in Python.
- B. Explain branching statements of Python.

OR

- A. How to create Numpy Array? Explain array slicing, joining, splitting, and sorting with example.
- B. Write a short note on Pandas. How to handle dataframe in Pandas?

Q. 4 Write answers for the followings. 12

- A. Discuss functions related to measures of central tendency.
- B. Write a short note on bar chart.

OR

- A. Explain Python string in detail.
- B. Write a short note on scatter plot.