

Sixth Semester B.Sc. Degree Examination, April/May 2019

(CBCS Scheme)

Computer Science

Paper T 6.1 – PYTHON PROGRAMMING

Time : 3 Hours]

[Max. Marks : 90

Instructions to Candidates : Answers ALL the Sections.

SECTION – A

Answer any **TEN** of the following.

(10 × 1 = 10)

1. Is python interpreted?
2. Mention two modes of executing program in python.
3. Give an example of immutable datatype.
4. Does pythm support 'switch' statements.
5. What is profiling?
6. Define multi threading.
7. Define instance variable.
8. What is inheritance?
9. Write the syntax of for-loop in python.
10. Write the syntax for mysql-connect () function.
11. Mention the module used to plot graph.
12. What is frame?

SECTION – B

Answer any **FIVE** of the following.

(5 × 3 = 15)

13. Explain any three features of python.
14. Explain nested-if construct with an example.
15. Write the difference between break, continue and pass.
16. Explain different modes of opening a file in python.

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17. Write a note on namespace in python.
18. Explain any three string handling functions.
19. Explain any three plotting functions in python.

SECTION – C

Answer any **SIX** of the following.

(6 × 5 = 30)

20. Explain basic data types available in python.
21. Explain while-loop with an example.
22. Write a python program to generate N Fibonacci series.
23. Explain any one method to create a thread..
24. Explain different operations performed in lists.
25. Define construct and destructor. Explain with an example.
26. Explain steps involving connecting database with python.
27. Write a python program to draw Pie chart.

SECTION – D

Answer any **FIVE** of the following.

(5 × 7 = 35)

28. Explain different operators available in python.
29. (a) Explain default-arguments.
(b) Explain variable-length arguments. (3 + 4)
30. Write a python program using user defined function to find area of rectangle, square, circle and triangle.
31. What is exception handling? Explain try, except and finally keywords.
32. What is multilevel inheritance? Explain with an example.
33. Explain DML statements, with syntax.
34. Explain button, option/radio button text elements in forms.