



QP CODE: 20100728

Reg No :

Name :

BSc DEGREE (CBCS) EXAMINATION, MARCH 2020

Sixth Semester

B.Sc Computer Science Model III

Choice Based Core Course - CC6CBT01 - PYTHON AND LATEX

2017 Admission Onwards

66B5ACE0

Time: 3 Hours

Marks: 80

Part A

*Answer any **ten** questions.*

Each question carries 2 marks.

1. What is meant by type conversion?
2. How will you represent complex numbers in Python?
3. What is the output of `type(10E6)`?
4. Analyze the importance of indentation in python.
5. Explain how to delete individual elements of a dictionary.
6. Explain `id` function used in python.
7. Explain fruitful functions used in python.
8. What is the use of 'wb' mode in file handling?
9. Define a directory.
10. Write down the tags used for altering the text alignment in LaTeX document.
11. How `textwidth` and `textheight` settings affects margins.
12. Name the package which is used to put header and footer in a LaTeX document and show its usage.

(10×2=20)





Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Explain the advantages of using Python.
14. What are the rules for forming python identifiers?
15. Differentiate for loop and while loop in python.
16. "Tuple is immutable", True or False? Justify your answer.
17. Write a python function to check whether a given number is odd or even.
18. Write an interactive program to perform arithmetic operation on two integers based on users choice.
19. Save the details of a student (roll, Name, TotalMark) into a file 'student.txt' without type conversion.
20. Describe the various tags in LaTeX for formatting text.
21. Describe the tags used for creating a hierarchichal layout of contents in a document.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Explain the basic data types available in Python with examples.
23. Compare list and tuple.
24. Explain recursive, fruitful and pure functions used in python with examples.
25. Explain Exception handling in python.

(2×15=30)

