



QP CODE: 21101394



Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) EXAMINATION, APRIL 2021**

**Sixth Semester**

B.Sc Computer Science Model III

**Choice Based Core Course - CC6CBT01 - PYTHON AND LATEX**

2017 Admission Onwards

8582F99C

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is the importance of Python Virtual Machine?
2. What is a variable?
3. How will you convert an integer to hexadecimal string in python?
4. Explain nested if statement.
5. Explain various methods to create a tuple in python.
6. What is the purpose of return statement?
7. Explain the concept of base case used in function.
8. Define file and give its advantages.
9. Give the need for pickling.
10. Explain the working of

`\begin{quotation} ... \end{quotation}`

tags.

11. How to avoid chapter numbering for a particular chapter in a document?
12. What are the types of image files accepted in LaTeX by default?

(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. What do you mean by Assignment statement in Python?
14. How do you represent floating point number in Python?
15. Discuss the use of else in do – while loop.
16. With suitable example, explain the values and items methods in dictionary.
17. Write a Python function to check whether a given number is odd or even.
18. Explain the various file opening modes in python.
19. What is the use of 'with' statement in files?
20. Explain the tags for change line spacing, generating table of contents and sectioning.
21. Explain the way in which page number can be displayed in footer and header and how to reset the page numbering to a new value.

(6×5=30)

### Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain different arithmetic operators in Python.
23. Define a list. Explain a) creating and adding elements b) Accessing the values c) Update the values d) delete list elements with suitable example.
24. Explain about functions in python.
25. Explain Exception handling in python.

(2×15=30)

