QP CODE: 22101213

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Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, APRIL 2022

Sixth Semester

B.Sc Computer Science Model III

Choice Based Core Course - CC6CBT01 - PYTHON AND LATEX

2017 Admission Onwards

98A25F50

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Define Immediate mode in Python.
2. Define value in Python? Give examples.
3. Explain Boolean data types in Python.
4. Explain nested if statement.
5. Explain the use of infinite while loop in python.
6. What are keyword arguments?
7. Explain return values used in functions.
8. What is the use of 'wb' mode in file handling?
9. Define a directory.
10. What are the tags used to sectioning of a ‘book’ class document.
11. With an example, explain the tag used for generating ordered lists.
12. Explain the package and tag necessary for including graphics in a document.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Write a Python script which takes the length and breadth of a rectangle from the user and finds area.

14. Write a Python script that accepts input from the user and displays in uppercase,lowercase and capitalize.

15. With suitable example explain the values and items methods in dictionary.

16. “Tuple is immutable”, True or False? Justify your answer.

17. Write recursive function to find factorial of a number.

18. Write a prgram to read the contents of a file and display it on the screen.

19. Define pickling.

20. Analyse the use of left, right, inner, outer, top, bottom, bindingoffset in connection with twosided and one sided documents.

21. Describe the use of fancyhdr package for setting up header and footer with examples.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain various type conversion functions in Python with suitable examples.

23. Compare list and tuple.

24. Explain about functions in python.

25. Explain Exception handling in python.

(2×15=30)