



K23U 2339

Reg. No. :

Name :

**V Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2023
(2019 – 2021 Admissions)
Core Course in Computer Science
5B10CSC : COMPUTATION USING PYTHON**

Time : 3 Hours

Max. Marks : 40

**PART – A
(Short Answer)**

Answer **all** questions.

(6×1=6)

1. What is the purpose of the “if statement” in Python ?
2. How do you define a class in Python ?
3. How do you import a module in Python ?
4. How do you add a checkbox to a Tkinter window ?
5. How do you commit a transaction in Python ?
6. How do you check if a file is closed in Python ?

**PART – B
(Short Essay)**

Answer **any 6** questions.

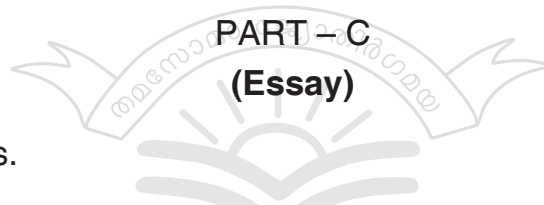
(6×2=12)

7. i) How many lines of output will be there in the following statement ?
print ('Good Morning How are you ?')
ii) Justify your answer.
8. Write a program that prompts users to enter two integers x and y. In addition, the program should compute and display x^y .
9. What is a class ? How do you define it ?

P.T.O.



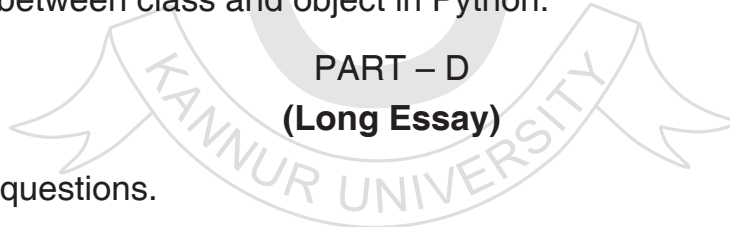
- 10. Explain the concept of list slicing in Python.
- 11. What is the difference between a list and an array in Python ?
- 12. How do you add widgets to a Tkinter frame ?
- 13. Write a program that uses functions to find the maximum and minimum values in a list.
- 14. "Two strings can be added and multiplied". With the use of an example, explain this statement.



Answer **any 4** questions.

(4×3=12)

- 15. What are the different ways to run a python program ?
- 16. How do you add an entry field to a Tkinter window ?
- 17. What you understand about the rule of associativity ? Explain with example.
- 18. Compare keyword arguments and required arguments in Python functions.
- 19. How will you rename a file in python with an example ?
- 20. Differentiate between class and object in Python.



Answer **any two** questions.

(2×5=10)

- 21. Explain in detail about Shape Manipulation in arrays.
 - 22. Elaborate on the role of the following three statements in a control loop with suitable example :
 - i) break
 - ii) continue
 - iii) pass.
 - 23. With an example, describe the function and types of arguments in Python.
 - 24. Explain the concept of GUI programming using Tkinter.
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