D 112054 (Pages : 2) Name...

Reg. No....................................

THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2024

Econometrics and Data Management

CSC 3(4) C07—PYTHON AND R PROGRAMMING

(2020—2023 Admissions)

Time : Two Hours Maximum : 60 Marks

Section A (Short Answer Type)

All *questions can be answered.*
Each question carries 2 *marks.*
Ceiling 20 *marks.*

1. Define Datatype.

2. What do you mean by an operand ?

3. Which are the logical operations in Python ?

4. What do you mean by iterations ?

5. What is a variable ?

6. What is a parameter ?

7. What is JSON ?

8. What is init() ?

9. What is Inverse ?

10. What is ANOVA ?

11. Define a variable.

12. What is a list ?

(Ceiling 20 marks)

Section B (Paragraph/Problem Type)

All *questions can be answered.*
Each question carries 5 *marks.*

13. Explain two group t tests.

14. Explain one way ANOVA.

Turn over

15. Explain Multiple Linear Regression.

16. Compare lists with string.

17. Explain two dimensional tables.

18. Write a note on string operations in Python.

19. Explain vector in R.

(Ceiling 30 marks)

Section C

Answer any **one** *of the following questions.*
The question carries 10 *marks.*

20. Explain arrays and its computations in Python.

21. Explain the significance of R.

$(1 \times 10 = 10$ marks)