K25FY3338 Pages: 1 Reg No:.....
Name:.....

Third Semester FYUGP Degree (Reg) Examination
NOVEMBER 2025
KU3DSCCSC203 - PYTHON FOR DATA ANALYTICS

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What are numeric types in Python?
2. How do you declare a dictionary in Python?
3. What is the difference between data analysis and data interpretation?
4. Name any two tools used for presenting data
5. Bring out the differences between sample and population.
6. Which chart can be used to visually detect outliers?
7. List any two tools used in the data analysis step.
8. What is meant by data visualization?

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Explain the terms underfitting and overfitting with suitable examples.
10. Discuss the pros and cons of deleting rows with missing data versus imputing missing data using statistical methods.
11. Describe and compare three different strategies for handling outliers in a dataset.
12. Discuss the importance of data quality in the Data Analytics process.
13. How is predictive analytics different from prescriptive analytics?
14. Discuss the role of Prescriptive Analysis in decision-making.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Explain branching using if, else, and elif statements in Python.
16. Discuss the importance of data visualization in data analysis. Provide examples.