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. List any four   arithmetic operators in Python?

2. What are numeric types in Python?

3. Using an example, list the difference between data and information.

4. Explain the role of data analytics in improving business prospects.

5. List any two techniques for dimensionality reduction.

6. Give two examples of Python keywords.

7. Name any two techniques for presenting data effectively.

8. Define primary data with one example.

Section B

Answer any 4 questions. Each carry 6 marks.

9. Explain with an example how mean or median imputation can be applied to handle missing values in a dataset.

10. Why is sampling important in feature engineering?

11. Describe and compare three different strategies for handling outliers in a dataset.

12. Explain the role of metadata in data collection and storage.

13. Discuss the challenges faced in analyzing unstructured data.

14. Discuss the various methods of data collection with examples.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Write a Python program to store marks of 5 students in a dictionary and print them.

16. Create an outline of how the four types of Data Analysis can be applied to weather forecasting.