

**QP CODE**  
**H1110**

**Enrollment Number:** .....  
**Name:** .....

**FOUR YEAR UNDER GRADUATE DEGREE EXAMINATIONS, MARCH 2026**

**Third Semester**

**SGB24CA201SE – Data Analytics**  
**(2024 July admissions)**

**Common for B.A (Honours) English/ Malayalam/History/Sociology/  
B.B.A (Honours)/B.Com (Honours)**

**Time: 2 Hours**

**Max. Marks: 45**

**Section A**

**Answer any five of the following questions in a word or sentence each. Each question carries 1 mark.**

1. What is the term for converting raw data into meaningful information?
2. Which step combines data from different sources?
3. What is the technique of handling missing values?
4. How does K-Means clustering assign data points to clusters?
5. What is Data visualisation?
6. Which type of analysis examines the relationship between two variables?
7. Write output of ceiling (1.4) and floor (1.4).
8. Which evaluation method in WEKA divides data into training and testing sets?

**(1X5=5)**

**Section B**

**Answer any five of the following questions in two or three sentences each. Each question carries 2 marks.**

9. How do outliers affect the results of statistical analysis?
10. Explain the Rules of Probability.
11. Write the benefits of Data Warehousing.
12. What is Agglomeration Clustering?
13. How does a pie chart help in data analysis?
14. Differentiate Drill Through and Drill Down.

15. What are the key features of R programming that make it suitable for data analysis?
16. Discuss maps in data visualization.

**(2X5=10)**

### **Section C**

**Answer any four of the following questions in one page each. Each question carries 5 marks.**

17. Discuss the typical causes of outliers in data analysis.
18. Describe the steps involved in text preprocessing for natural language processing.
19. Explain the different types of Big Data and discuss their characteristics.
20. Discuss the importance of measures of central tendency in data analysis.
21. Explain the concepts of shifting and scaling in data preprocessing.
22. Explain built-in math functions in R.

**(5X4=20)**

### **Section D**

**Answer any one of the following questions in three pages each. Each question carries 10 marks.**

23. Explain the different types of charts used in data visualization.
24. Discuss the key features of R.

**(10X1=10)**