202834

SDCCA404

IV Semester B.C.A. Degree Examination, June/July - 2026

(SEP Scheme Freshers)

COMPUTER APPLICATIONS

Fundamentals of Data Science

HORIZON COLLEGE LIBRARY KASTURINAGAR BANGALORE-43

**Time : 1½ Hours** **Maximum Marks : 40**

***Instruction:*** *Answer All the Sections.*

## SECTION - A

**I. Answer any Four questions. Each question carries 5 marks.** **(4×5=20)**

1. Define Data mining and enumerate its main objectives.
2. Briefly describe the stages of KDD process.
3. Explain various components of Data warehouse with a neat diagram.
4. Explain data cleaning techniques.
5. Describe association rule.
6. Discuss the advantages of FP Growth.

## SECTION - B

**II. Answer any Two questions. Each question carries 10 marks.** **(2×10=20)**

7. a. Explain the components of Data mining system with a neat diagram. **(5)**
   b. Discuss challenges and issues in Data Mining. **(5)**
8. a. Elaborat about data integration. **(5)**
   b. Explain data warehousing architecture with a neat diagram. **(5)**
9. a. Explain the concept of Apriori. **(5)**
   b. Discuss the Frequent Item set mining method. **(5)**

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