SHRI RAMSWAROOD MEMORIAL UNIVERSITY DEDORIEM SET—I

Session : 2025-26(Odd Sem) Semester : III

Course : B.tech Subject Code : UCS 3804

Branch : DS + AI Subject Name : Data Analytics & reporting Group : ALL Name of Faculty Member : Mr. Sukhmander singh,

Ms. Deepika

Unit : I Topics Covered : All Topics

1. Define data analytics. Identify how it differs from traditional data processing techniques.

- 2. Recall how data analytics has transformed business decision-making in recent years. List two real-world examples.
- 3. Identify the importance of analytics in industries such as healthcare, retail, and finance.
- 4. List the different types of analytics. Give a brief description and example for each.
- 5. Tell the historical evolution of analytics. Relate how it progressed from simple statistics to advanced predictive models.
- 6. Why is there a growing need for business analytics in today's competitive environment?
- 7. What is big data? Name and describe the 5 Vs of big data with suitable examples.
- 8. Show how data analytics can help organizations combat fraud and detect anomalies.
- 9. What are unstructured data? Identify how they are analyzed differently from structured data.
- 10. Explain how organizations use data analytics to understand social sentiments on platforms like Twitter or Facebook.

Supplementary Questions:

- 1. Discuss how analytics can convert raw data into actionable insights with the help of a case study.
- 2. Examine the role of big data in shaping the future of business analytics. What technologies support big data analytics?

TEXTBOOKS:

- 1. Data Science and Analytics by V.K. Jain
- 2. IBM Courseware

REFERENCE BOOKS:

1. Data Analytics Made Accessible by Anil Maheshwari

(Signature of the Faculty Member with date) (Signature of the Dean with date)