

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

IV-B.TECH-I-Semester End Examinations (Supply) – December - 2025
BIG DATA ANALYTICS
(CSM)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(20 Marks)

1. a) Define Data Management.	[2M]
b) What is workplace safety?	[2M]
c) List the features of Spark.	[2M]
d) Define knowledge management.	[2M]
e) What are the types of Big Data Analytics?	[2M]
f) Define outlier.	[2M]
g) Differentiate between Supervised and Unsupervised learning algorithms.	[2M]
h) What is hypothesis testing?	[2M]
i) What is the role of workspace in Tableau?	[2M]
j) Define data visualization.	[2M]

PART-B

(50 Marks)

2. Discuss various sources of data with suitable example.	[10M]
OR	
3. Describe the guide lines for identifying and reporting an accident or emergency in detail.	[10M]
4. a) Discuss the significance Hadoop in Data Analytics.	[5M]
b) Compare compliances and reporting in Analytics.	[5M]
OR	
5. Discuss in detail about Decision Models.	[10M]
6. a) How do you understand the nature of the data?	[5M]
b) Explain about Predictive Analytics.	[5M]
OR	
7. Explain about Outlier detection and elimination.	[10M]
8. Discuss in detail about Hypothesis Testing in detail.	[10M]
OR	
9. Explain train model on 2/3 sample data using various statistical algorithms.	[10M]
10. Explain Data Visualization in Tableau.	[10M]
OR	
11. Illustrate the steps involved in production Implementation.	[10M]
