

CMR TECHNICAL CAMPUS
UGC AUTONOMOUS
B. Tech. V Semester Regular End Examinations, Dec-2022
Data Analytics
Common to CSM & CSD

Time: 3 Hours

Max. Marks: 70

Note

- i. This Question paper contains Part- A and Part- B.
- ii. All the Questions in Part A are to be answered compulsorily.
- iii. All Questions from Part B are to be answered with internal choice among them.

PART-A

10 X 02 = 20 Marks

	Marks	CO	BL
1. a What is data quality analysis?	2	CO1	L1
b What is data processing in data Analytics?	2	CO1	L1
c List the types of data used in Analytics.	2	CO2	L4
d Define missing imputations.	2	CO2	L1
e Define BLUE property.	2	CO3	L1
f Write two differences between correlation and regression.	2	CO3	L2
g Why unsupervised learning.	2	CO4	L1
h Write about over fitting.	2	CO4	L2
i How do you visualize data?	2	CO5	L2
j List the types of data visualization charts.	2	CO5	L4

PART- B

5 X 10 = 50 Marks

	Marks	CO	BL
2. a Explain different types of data processing methods.	7	CO1	L4
b Describe missing values.	3	CO1	L4
OR			
3. a What is Data Applications to various Business Domain?	5	CO1	L1
b Describe the Model Theory & Model Fit Statistics.	5	CO1	L3
4. a Define predictive analytics.	5	CO2	L1
b Compare reporting and analytics.	5	CO2	L4
OR			
5. a What is cluster analysis?	4	CO2	L1
b Write short notes on time series?	6	CO2	L4
6. a Explain the concept of regression.	4	CO3	L3
b Write any three differences between correlation and regression.	6	CO3	L4

**CMR TECHNICAL CAMPUS
UGC AUTONOMOUS**

**B. Tech. V Semester Regular & Supply End Examinations, January-2024
Data Analytics
Common to CSG, CSD & CSM**

Time: 3 Hours

Max. Marks: 70

Note

- i. This Question paper contains Part- A and Part- B.
- ii. All the Questions in Part A are to be answered compulsorily.
- iii. All Questions from Part B are to be answered with internal choice among them.

PART-A

10 X 02 = 20 Marks

		Marks	CO	BL
1.	a	2	CO1	L1
	b	2	CO1	L1
	c	2	CO2	L1
	d	2	CO2	L2
	e	2	CO3	L2
	f	2	CO3	L1
	g	2	CO4	L4
	h	2	CO4	L1
	i	2	CO5	L1
	j	2	CO5	L4

PART- B

5 X 10 = 50 Marks

		Marks	CO	BL
2.	a	5	CO1	L2
	b	5	CO1	L2
	OR			
3	a	5	CO1	L2
	b	5	CO1	L2
4	a	2	CO2	L2
	b	8	CO2	
	OR			
5	a	2	CO2	L5

	b	Define business modelling and discuss the need for business modelling.	8	CO2	L2
6	a	Explain the steps involved in constructing an efficient model.	5	CO3	L3
	b	Write a brief note on Model fit statistics.	5	CO3	L2
		OR			
7	a	Explain various types of data modelling techniques.	5	CO3	L2
	b	Discuss in detail about the different types of regression models.	5	CO3	L4
8	a	What is segmentation in data analysis?	5	CO4	L1
	b	Explain the techniques of segmentation.	5	CO4	L3
		OR			
9	a	What is unsupervised learning?	3	CO4	L1
	b	Explain types of unsupervised machine learning techniques.	7	CO4	L1
10	a	Write a short note on Chernoff face	3	CO5	L1
	b	Explain about geometric projection visualization techniques.	7	CO5	L4
		OR			
11	a	How is data visualization used?	3	CO5	L1
	b	Write useful ways to visualize your data with examples.	7	CO5	L2

CO : Course Outcomes

BL : Bloom's Taxonomy Levels

L 1 : Remembering	L 2 : Understanding
L 3 : Applying	L 4 : Analysing
L 5 : Evaluating	L 6 : Creating
