Code No.: IT701PC

R20

H.T.No.

8 R

(20 Marks)

CMR ENGINEERING COLLEGE: : HYDERABAD UGC AUTONOMOUS

IV-B.TECH-I-Semester End Examinations (Regular) - November- 2024 DATA ANALYTICS

(IT)

[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.

	PAR1-A	(20 Marks)	
1. a)	Define Data Management.	[2M]	
b)		[2M]	
c)		[2M]	
d)		[2M]	
e)	What is regression analysis?	[2M]	
f)	Explain the significance of the BLUE property in regression analysis.	[2M]	
g)	What is the difference between supervised and unsupervised learning?	[2M]	
h)	What is ARIMA model?	[2M]	
i)		[2M]	
j)	What is the purpose of a hierarchical visualization technique?	[2M]	
	n.nmn	(50 Marks)	
	PART-B	(50 Marks)	
2.	Discuss the process of designing data architecture AND managing data for analysis. OR		
3.	What are the common data quality issues (noise, missing values, and duplicate data How can these issues affect the accuracy of data analysis?	nta)? [10M]	
4.	Explain how different analytics tools and environments help in deriving insights f data.	from [10M]	
	OR		
5.	What are the data modeling techniques in data analytics?	[10M]	
6.	Explain the importance of model fit statistics in logistic regression analysis. OR	[10M]	
7.	Discuss analytics applications to various business domains etc.	[10M]	
1.	Discuss analytics applications to various business domains etc.	. ,	
8.	Explain the difference between regression and segmentation in Data analytics.	[10M]	
0.	OR		
9.	What are the challenges of over fitting in decision trees, and how can pruning overcome this issue.	help [10M]	
10.	Explain about the pixel oriented visualization techniques.	[10M]	
1.1	OR	[10M]	
11.	Explain about icon - based visualization techniques.	[TOW]	
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