

Code No: P18CIT01

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)

III B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 2023
DATA WARE HOUSING AND DATA MINING
(Common to CSIT,AIDS Branches)

Time: 3 hours

Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-A

Answer all the questions in Part-A (5X2=10M)

Q.No.	Questions	Marks	CO	KL
1.	a) What is the difference between data warehousing and Business Intelligence?	[2M]	1	1
	b) List out various data mining tasks.	[2M]	2	1
	c) Define decision tree.	[2M]	3	1
	d) What is rule classification?	[2M]	4	1
	e) Write the strengths of hierarchical clustering.	[2M]	5	1

PART-B

Answer One Question from each UNIT (5X10=50M)

Q.No.	Questions	Marks	CO	KL
UNIT-I				
2.	a) With a neat sketch, Explain three tier architecture of data ware housing.	[5M]	1	2
	b) Explain various data warehouse models.	[5M]	1	2
OR				
3.	a) Explain in detail about data mining functionalities?	[5M]	1	2
	b) Discuss about data mining task primitives with examples?	[5M]	1	6
UNIT-II				
4.	a) Write the steps involved in Data Transformation process?	[5M]	2	1
	b) Discuss briefly about data cleaning techniques in data mining.	[5M]	2	6
OR				
5.	a) What is data discretization? Explain some famous techniques of data	[5M]	2	2
	b) Discuss about the advantages and disadvantages of Data Transformation.	[5M]	2	6
UNIT-III				
6.	a) Write decision tree induction algorithm.	[5M]	3	1
	b) What is attribute selection measures in data mining.	[5M]	3	1
OR				
7.	Describe in detail about Rule based Classification.	[10M]	3	2
UNIT-IV				
8.	How does the Naive Bayesian classification works? Explain in detail.	[10M]	4	2
OR				
9.	a) How can you improve the performance of Apriori algorithm? Explain.	[5M]	4	2
	b) Explain FP Growth Algorithm?	[5M]	4	2
UNIT-V				
10.	a) Write about K-means clustering algorithm.	[5M]	5	1
	b) Write any one Partitioning based clustering methods.	[5M]	5	1



OR					
11.		What are the different clustering methods? Explain in detail.	[10M]	5	2
