SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

MCA II Year I Semester Regular & Supplementary Examinations January/February-2025

DATA WAREHOUSING AND DATA MINING

Time: **3 hours**   Max. Marks: **60**

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

1	a	What are the major issues in data mining?	CO1	L1	6M
	b	Discuss about the classification of data mining systems.	CO1	L2	6M

OR

2	Analyze the following concepts in detail.	CO1	L4	12M
	i) Noisy data	CO3		
	ii) Attribute sub set selection			
	iii) Cluster analysis			
	iv) Classification and prediction			

UNIT-II

3	a	Explain concept hierarchy with an example.	CO1	L2	6M
	b	Sketch the architecture of OLAM.	CO1	L3	6M

OR

4	a	Explain mining class comparisons and class description.	CO6	L2	6M
	b	Describe complex aggregation at multiple granularities.	CO1	L2	6M

UNIT-III

5	a	Demonstrate frequent-pattern growth (FP-Growth) method.	CO2	L2	6M
	b	Explain the generation of association rules from frequent item sets.	CO2	L2	6M

OR

6	a	Describe support vector machines.	CO2	L2	6M
	b	Explain Bayesian Belief Networks.	CO2	L2	6M

UNIT-IV

7	Demonstrate CLIQUE (CLustering In QUEst) algorithm to cluster High Dimensional data.	CO3	L2	12M

OR

8	a	Discover mining sequence patterns in biological data.	CO5	L3	6M
	b	Identify the areas of mining social network.	CO5	L3	6M

UNIT-V

9	a	Discuss in detail basic measures of Text Retrieval.	CO4	L2	6M
	b	Explain different categories of Text retrieval methods.	CO4	L2	6M

OR

10	a	Discuss the concept of multidimensional analysis.	CO5	L2	6M
	b	Describe about descriptive mining of complex data objects.	CO6	L2	6M

END