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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**B.Tech III Year I Semester Regular Examinations March-2023****DATA WAREHOUSING AND DATA MINING**

(Common to CSE & CSIT)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a How to classify data mining systems? Discuss in detail CO1 L2 6M
b Explain about Dimensionality reduction methods. CO1 L2 6M

OR

- 2 Explain in detail about Data Mining Functionalities with example. CO1 L2 12M

UNIT-II

- 3 a Discuss in brief about Multi-dimensional data model. CO2 L2 6M
b Why have a Separate Data Warehouse? CO2 L1 6M

OR

- 4 a Explain the Role of Concept Hierarchies in dimension. CO2 L2 6M
b Classify a Starnet Query Model. How will involve in Multidimensional Databases. CO2 L2 6M

UNIT-III

- 5 a Explain about market basket analysis in Association Mining. CO3 L2 6M
b Explain support, confidence and lift measures with respect to Association Mining. CO3 L2 6M

OR

- 6 a What are the Draw backs of Apriori Algorithm? CO4 L1 6M
b Explain about FP Growth Concept in Detail. CO4 L2 6M

UNIT-IV

- 7 a Distinguish between supervised and unsupervised learning. CO5 L2 6M
b What are the Issues regarding Classification and Prediction? Explain. CO5 L1 6M

OR

- 8 a Discuss about Rule based Classification method. CO5 L1 6M
b Define Neural Network. Explain the Classification by Back Propagation. CO5 L1 6M

UNIT-V

- 9 Explain K-Means and K-Medoids partitioning methods in detail. CO6 L2 12M

OR

- 10 Influence the importance of Grid-based and Model-Based methods in detail. CO6 L1 12M

*** END ***

(Answer all five parts 5 x 12 = 60 Marks)

UNIT-I

- 1 a) How to classify data mining systems? Discuss in detail.
- b) Explain about Decision tree induction method.

OR

- 2 Explain in detail about Data Mining Applications with examples.

UNIT-II

- 3 a) Discuss in detail about Model evaluation data model.
- b) Write a program to generate Data Warehouse.

OR

- 4 a) Explain the Role of Outlier Detection in dimension.
- b) Create a Query Model. How will you use in Multidimensional Database.

UNIT-III

- 5 a) Explain about the data mining in Association Mining.
- b) Explain support confidence and lift measures with respect to association Mining.

OR

- 6 a) What are the five tasks of Apriori Algorithm?
- b) Explain about FP Growth Concept in Detail.

UNIT-IV

- 7 a) Distinguish between supervised and unsupervised learning.
- b) What are the issues regarding Classification and Prediction? Explain.

OR

- 8 a) Discuss about Rule based Classification method.
- b) Define Neural Network. Explain the Classification by Back Propagation.

UNIT-V

- 9 Explain K-Means and K-Medoids partitioning methods in detail.

OR

- 10 Influence the importance of Grid-based and Model-based methods in detail.

*** END ***

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