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Question Paper Code: 45205

B.E. / B.Tech. DEGREE EXAMINATION, AUGUST 2021

Fifth Semester

Computer Science and Engineering

14UCS505 - DATA WAREHOUSING AND DATA MINING

(Regulation 2014)

Duration: 1:45 hour

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

(Answer any ten of the following questions)

1. Define Data mart.
2. Why data transformation is essential in the process of Knowledge discovery.
3. What is dimensionality reduction?
4. Mention the features of in business applications using OLAP.
5. List the functionalities of data mining.
6. What is interestingness of a pattern?
7. Compare Boolean association rule mining and quantitative association rule mining.
8. State the interesting measures of an association rule.
9. Mention the advantages of hierarchical clustering.
10. What is outlier analysis?
11. How databases differ from data warehouse?
12. List out the applications of data warehouse.
13. How a database design is represented in OLAP systems?

14. What is called lattice of cuboids?
15. What is descriptive and predictive data mining?

PART – B (3 x 10= 30 Marks)

(Answer any three of the following questions)

16. Explain in detail about the architecture and implementation of the data warehouse with neat sketch. (10)
17. List and discuss the basic features that are provided by reporting and query tools used for business analysis. (10)
18. Describe the data mining functionality and examine. What kinds of patterns can be mined. (10)
19. Explain in detail about constraint based association mining. (10)
20. Explain in detail about hierarchical method. (10)