

F-6225

Sub. Code

7BCAA4

U.G. DEGREE EXAMINATION, NOVEMBER 2021

Computer Applications

Allied : DATA MINING AND WAREHOUSING

(CBCS – 2017 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the need for data mining?
2. What is data warehouse?
3. Give any two examples of data transformation tools.
4. What is data discretization?
5. Define frequent itemset.
6. What is linear regression?
7. What is clustering?
8. Define Rock.
9. What is sequence database?
10. Define multimedia data mining.

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the steps in KDD.

Or

- (b) Explain the various types of patterns can be mined.

12. (a) Explain the need and steps involved in data preprocessing.

Or

- (b) Discuss about concept hierarchy generation.

13. (a) Give the explanation and example for generating association rules from frequent itemsets.

Or

- (b) Explain Naive Bayesian classification.

14. (a) Explain the categorization of major clustering methods.

Or

- (b) Explain BIRCH.

15. (a) Explain the trends in data mining.

Or

- (b) Explain the components to categorize time series data.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain data warehouse architecture.
 17. Write in detail about cleaning.
 18. Discuss about classification by back propagation.
 19. Write about partitioning methods in clustering.
 20. Describe mining the world wide web.
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