K22U 0189

Reg. No. : ....

Name : ....

VI Semester B.C.A. Degree (CBCSS – Supple./Improv.) Examination, April 2022
(2016 – 2018 Admissions)
Core Course
6B18BCA : DATA MINING AND DATA WAREHOUSING

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. **One** word answer. (8×0.5=4)

   a) _____ table contains the name of measures and keys to each of the related dimension.

   b) Smoothing is a _____ technique.

   c) Highest level of data summarization in cuboid is called _____

   d) 'All nonempty subsets of a frequent item set must also be frequent'. This property is called _____

   e) ID3 uses _____ as its attribute selection measure.

   f) Write the full form of CLARA.

   g) _____ is a metaphor for multidimensional data storage.

   h) DBSCAN is a _____ based clustering method.

SECTION – B

Write short notes on **any seven** of the following questions. (7×2=14)

2. What is border set ?

3. Define data warehouse.

4. Name applications in data mining.

5. Explain association rule.

6. What is the paradigm for clustering ?

7. Distinguish between OLTP and OLAP.

8. What are splitting criterion ?

9. What is ID3 ?

10. Explain spatial mining.

11. Explain count matrix.

SECTION – C

Answer **any four** of the following questions. (4×3=12)

12. Compare the performance of CLARA and CLARANS.

13. Explain the issues and challenges in DM.

14. Explain decision best split.

15. Explain candidate generation and prune step of apriori.

16. What is meant by data warehouse schema ?

17. Write notes on web mining.

SECTION – D

Write an essay on **any two** of the following questions. (2×5=10)

18. Write notes on :
    a) Temporal data mining
    b) FP tree growth algorithms.

19. Explain hierarchical clustering.

20. Explain the data warehouse architecture.

21. Discuss about border algorithm.

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