K19U 0184

Reg. No. : .....

Name : .....

VI Semester B.C.A. Degree (CBCSS – Reg./Supple./Improv.)
Examination, April 2019
(2014 Admission Onwards)
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) _____ is the process of extracting data for warehouse from various sources.
   b) The problem of finding hidden structure in unlabeled data is called _____
   c) Group of similar objects that differ significantly from others is called _____
   d) The cuboid that holds the lowest level of summarization is called _____
   e) Data mining refers to mining _____ from data.
   f) Market basket analysis is a typical example of _____
   g) STING is a _____ based method of clustering.
   h) Write the full form of CART.

SECTION – B

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

2. What is maximal frequent set ?
3. Write the partition algorithm.
4. Define cluster.
5. What are features of STIRR ?

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6. Define over-fit.
7. Explain different types of temporal data.
8. What is snowflake schema ?
9. Write about spatial mining.
10. What is meant by ETL ?
11. Explain DM application in crime detection.

SECTION – C

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

12. What are additive properties of Cluster features ?
13. Explain the splitting indices.
14. What are the issues in DM ?
15. Discuss the decision tree construction algorithms.
16. What is bottom-up cubing algorithm ?
17. Describe the working of Pincer- Search algorithm.

SECTION – D

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

18. Explain data warehouse architecture.
19. Discuss different data mining techniques.
20. Explain apriori algorithm.
21. Explain : a) CLARANS b) ROCK.