K20U 0189

VI Semester B.C.A. Degree (CBCSS – Reg./Supple./Improv.)
Examination, April 2020
(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 subset or access layer of the data warehouse environment that is used to get data out to the users.

b) _____ removes noise and inconsistent data.

c) Which server is placed in the middle tier of data warehouse architecture.

d) _____ algorithm is used to mine frequent item set for Boolean association.

e) Euclidean describes _____ measures for computing the dissimilarity of objects.

f) K means algorithm is a _____ clustering method.

g) _____ analysis is used to identify whether two attributes are statistically related.

h) Decision tree induction algorithms adopt _____ approach to construct tree.

SECTION – B

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

2. Discuss about web mining.

3. What is difference between data mining and data warehousing ?

4. Write the different steps of KDD.

P.T.O.

5. What are the different clustering Paradigms ?

6. Define Guillotine cut.

7. What are different tree construction principles ?

8. Explain DBSCAN.

9. What is support vector machine ?

10. Name OLAP operations.

11. Write about best split.

## SECTION – C

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

12. Explain about data warehouse architecture with neat diagram.

13. Write DIC algorithm.

14. Explain methods to discover association rule.

15. What is machine learning ?

16. Explain CLARANS algorithm.

17. Write note on decision tree.

## SECTION – D

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

18. Discuss Partitioning algorithm for frequent item set.

19. Explain clustering features and construction of CF tree.

20. Write note on DM application areas and the issues and challenges in DM.

21. What are different splitting indices ?