(FOR THE CANDIDATES ADMITTED

DURING THE ACADEMIC YEAR 2020 ONLY)

20 UCS 6E4

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS :MAY 2023

B.Sc. - COMPUTER SCIENCE (AIDED & S.F)   MAXIMUM MARKS: 70

SEMESTER IV   TIME : 3 HOURS

PART - III
DATA MINING AND WAREHOUSING

SECTION - A   (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.
MULTIPLE CHOICE QUESTIONS.   (K1)
(Qn. No. 1 - 5)

1.   Query tools and data mining tools are _____ .

   (A) Same   (B) Different   (C) Complementary   (D) Standard

2.   A term similar to clustering is database _____.

   A)Segregation   (B) Isolation   (C) Aggregation   (D) Segmentation

3.   The _____ algorithm is the most well-known association rule algorithm.

   (A) k-means   (B) Apriori   (C) KNN   (D) KCC

4.   Data can be updated in_____environment

   (A) Data warehouse   (B) Datamining   (C) Operational   (D) information

5.   The web content mining is extraction and integration of useful _____

   (A) Data and information   (B) security   (C) source   (D) Pattern

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES   (K2)

(Qn. No. 6 - 10)

6.   Define Data Mining.

7.   What is classification?

8.   List the data mining processing steps.

9.   Define Clustering.

10.   What is spatial data mining?

SECTION – B **(5 X 4 = 20 MARKS)**
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(K3)

11. a) What do you think of data mining from a database perspective? Discuss.

(OR)

b) What are the social implications of data mining? Explain.

12. a) Compare Decision Tree versus Rule based algorithm.

(OR)

b) Differentiate classification and clustering.

13. a) Define strong association rule.

(OR)

b) List the types of various attributes in clustering analysis.

14. a) State and explain the cost measures of data mart.

(OR)

b) Elaborate the various partitioning methods in detail.

15. a) Explain spatial mining and time series mining.

(OR)

b) Explain web content mining.

SECTION - C **(4 X 10 = 40 MARKS)**
ANSWER ANY FOUR OUT OF SIX QUESTIONS
(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE
QUESTIONS (FROM Qn. No : 17 to 21) **(K4 (Or) K5)**

16. Explain various Data Mining Tasks with appropriate examples.

17. What is Cluster Analysis? Explain different types of data in cluster analysis.

18. Explain different classification Techniques.

19. Categorize various kinds of Association Rules with examples.

20. Discuss the various OLAP operations in the Multidimensional Data Model.

21. Write a detailed note on Temporal mining.

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