VI Semester B.C.A. Degree Examination, May/June - 2025

(NEP Scheme Fresher & Repeater)

COMPUTER APPLICATION

Fundamentals of Data Science

Time : 2½ Hours   **Maximum Marks : 60**

Instructions :

        Answer all Sections.

SECTION - A

I.   **Answer any Six questions. Each question carries 2 marks.**   (6×2=12)

    1.   What is Data Source?

    2.   Mention the classification of data mining?

    3.   Mention the types of OLTP?

    4.   Define the Enterprise Warehouse?

    5.   What is sampling?

    6.   What is Splitting process?

    7.   What is precision?

    8.   What is Neural networks in data mining?

    9.   Define cluster analysis with example.

SECTION - B

II.   **Answer any Four questions. Each question carries 6 marks.**   (4×6=24)

    10.   Explain in detail about KDD.

    11.   Explain the characteristics of data warehouse?

    12.   Explain Apriori algorithm in detail.

    13.   Explain Market basket analysis?

    14.   Explain the applictions of Cluster Analysis?

    15.   Explain grid based methods.

SECTION - C

III   **Answer any Three questions,Each question carries 8 marks.**   **(3×8=24)**

16.   Explain the architecture of Data Mining?

17.   Explain multidimensional data model.

18.   Explain mining association rules.

19.   Explain the types of OLAP in detail?

20.   Explain about types of hierarchical clustering?

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