

CDOE
MASTER OF COMPUTER APPLICATIONS (CBCS-2019 COURSE)
M.C.A. SEM - IV : WINTER :- 2021
SUBJECT: DATA WAREHOUSING & DATA MINING

Day : Monday
Date 14-02-2022

W-22231-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.

- 1) Q. No. 4 From Section-I is **COMPULSORY**.
- 2) Answer any **TWO** question from Q. No. 1, 2, 3, in Section – I.
- 3) Answer any **TWO** questions from Q. No. 5, 6, 7, in section-II.
- 4) All questions carry **EQUAL** marks.
- 5) Both sections should be written in the **SAME** answer books

SECTION - I

- Q. 1** Answer the following (12)
a) Why does an organization need OLAP?
b) Compare Data Warehouse and Operational database.
- Q. 2** Answer the following (12)
a) Explain the concept of Dimensionality Reduction and Numerosity Reduction.
b) Distinguish between Snowflakes and Fact Constellations schema
- Q. 3** Explain the following : (12)
a) Different issues in Classification and Prediction.
b) Apriori algorithm with example
- Q. 4** Write short notes on any **THREE** of the following: (12)
a) OLAP Cube
b) Unsupervised learning
c) Data Integration
d) Bayesian Belief Network
e) Data Discretization

SECTION - II

- Q. 5** Answer the following (12)
a) Define link based mining with different tasking in link based in web structural mining.
b) Define Web usage mining. What are the advantages of pattern analysis in web usage mining
- Q. 6** Answer the following (12)
a) Define classification. State its importance.
b) Naïve Bayesian classification algorithm. Explain it in detail.
- Q. 7** Explain the following (12)
a) What is clustering? Requirement of clustering in data mining.
b) Distinguish between Unsupervised and Supervised learning

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