

BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2018 COURSE)
S.Y.B.Sc.(Computer Science) Sem-IV : WINTER :- 2021
SUBJECT: DATA WAREHOUSING & DATA MINING-II

Day : Wednesday
Date 2/2/2022

W-20113-2021

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

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labelled diagrams **WHEREVER** necessary.
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Q.1 Attempt any **TWO** of the following: **(12)**

- a) Explain clustering as a data mining technique.
- b) Describe the features of data warehouse.
- c) Explain the various data mining repositories on which mining can be performed.

Q.2 Attempt any **TWO** of the following: **(12)**

- a) What is OLTP? Explain characteristics of OLTP.
- b) Explain the various issues of data mining.
- c) Explain market basket analysis.

Q.3 Attempt any **TWO** of the following: **(12)**

- a) Explain the challenges in data mining.
- b) Explain classification as a data mining technique.
- c) Explain data aggregation with the help of example.

Q.4 Attempt any **THREE** of the following: **(12)**

- a) State and define the four steps of ETL process.
- b) Differentiate between supervised learning and unsupervised learning.
- c) Write a note on data cleaning.
- d) What are the different implementations of a data cube?

Q.5 Attempt any **FOUR** of the following: **(12)**

- a) List the different applications of data mining.
- b) Write a short note on data mining technique prediction.
- c) What are outliers?
- d) What are the benefits of building a data warehouse?
- e) What are the different data partitioning methods?
- f) What is decision tree? Give one example for decision tree.

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