

S.Y. B. SC. (Computer Science) SEM –IV (CBCS - 2016 COURSE) :
SUMMER - 2019
SUBJECT :DATA WAREHOUSING & DATA MINING -II

Day : Thursday
Date : 25/04/2019

S-2019-1103

Time : 11.00 AM TO 02.00 PM
Max. Marks :60

N. B. :

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
-

Q.1 Answer **ANY TWO** of the following: (12)

- a) Explain Apriori algorithm.
- b) What is clustering? Explain types of clustering.
- c) Explain typical data mining system architecture.

Q.2 Answer **ANY TWO** of the following: (12)

- a) Explain applications of clustering.
- b) Explain confusion matrix.
- c) What is regression? Explain types of regression.

Q.3 Answer **ANY TWO** of the following: (12)

- a) Explain application of frequent item set mining in the insurance company.
- b) Explain how rules are generated by classification technique on weather database?
- c) What is KDD? Explain steps of KDD.

Q.4 Answer **ANY THREE** of the following: (12)

- a) Explain data mining issues.
- b) Discuss data mining tasks.
- c) Differentiate between classification and clustering.
- d) Give one example for K- means clustering algorithm. Perform one iteration only.

Q.5 Answer **ANY FOUR** of the following: (12)

- a) What is machine learning?
- b) State different definitions of data mining.
- c) What is the need of data pre processing before applying data mining techniques?
- d) Discuss the features of Bayes theorem.
- e) Write a short note on social impacts of data mining.
- f) What is support and confidence? Give one example for the same.

* * * * *
