

**S.Y. B. SC. (COMPUTER SCIENCE) SEM –IV (CBCS - 2016
COURSE) : SUMMER - 2018
SUBJECT :DATA WAREHOUSING & DATA MINING -II**

Day : **Friday**
Date : **27/04/2018**

S-2018-0826

Time **11.00 A.M. 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 all the stages of KDD with suitable diagram.
- b) Explain linear regression and non linear regression.
- c) Describe Bayes theorem.

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

- a) Draw and explain architecture of typical data mining system.
- b) Explain decision tree learning.
- c) Explain applications of clustering.

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

- a) Explain data mining method Prediction.
- b) What is confusion matrix? Discuss uses of confusion matrix with the help of example.
- c) What is clustering? Explain cluster analysis.

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

- a) Explain data mining applications in : i)Business/marketing sector ii) Fraud detection in banking sector
- b) Explain classification technique.
- c) Write a note on association rule mining.
- d) Explain advantages of data mining.

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

- a) Write a short note on role of data mining technique in health care system.
- b) Differentiate between supervised learning and unsupervised learning.
- c) What is support and confidence? Give suitable example of support and confidence.
- d) What are the social impacts of data mining?
- e) Discuss advantages of Apriori algorithm.
- f) Explain types of clustering.

* * * * *
