

**M. SC. (COMPUTER SCIENCE) SEM – III (CHOICE BASED
CREDIT & GRADE SYSTEM) : SUMMER - 2018
SUBJECT : ELECTIVE : a) SOFT COMPUTING & DATA MINING**

Day : **Saturday**
Date : **28/04/2018**

S-2018-0931

Time : **03.00 PM TO 06.00 PM**
Max. Marks: 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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Q.1 Explain architecture of data warehouse with need of data warehousing. Also (15)
explain benefits of data warehousing.

OR

What is KDD? Draw and explain steps of knowledge discovery. Explain application of KDD process.

Q.2 A) Answer any **ONE** of the following: (08)
i) What is frequent item set? Give one example to find frequent items from the database.
ii) Explain Bayesian classification method.

B) Answer any **ONE** of the following: (07)
i) Explain FP growth algorithm.
ii) What is clustering? What are the applications of clustering?

Q.3 Answer any **THREE** of the following: (15)
a) Explain roll up and drill down operations.
b) Illustrate disadvantages of Apriori algorithm.
c) Explain data preprocessing technique.
d) Explain applications of classification method.
e) Discuss web mining process.

Q.4 Write short notes on any **THREE** of the following: (15)
a) Decision tree learning
b) Mining text database
c) OLAP
d) Data mart
e) Regression

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