

**S.Y. B. SC. (Computer Science) SEM –III (CBCS - 2016 COURSE) :
WINTER - 2018**

SUBJECT: DATA WAREHOUSING & DATA MINING-I

Day: Friday
Date: 26/10/2018

W-2018-0919

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.
 - 3) Draw neat labeled diagrams **WHEREVER** necessary.
-

Q.1 Answer **ANY TWO** of the following: [12]

- a) Draw and explain architecture of data warehouse.
- b) Differentiate between data warehouse and data mart.
- c) Explain ROLAP with advantages and disadvantages.

Q.2 Answer **ANY TWO** of the following: [12]

- a) Explain Logical Vs Physical designing of data warehouse.
- b) Explain MOLAP with advantages and disadvantages.
- c) What is DBMS? Explain advantages of DBMS.

Q.3 Answer **ANY TWO** of the following: [12]

- a) Explain slice and dice operations.
- b) Explain star schema with suitable example.
- c) Describe knowledge discovery in the database with suitable diagram.

Q.4 Answer **ANY THREE** of the following: [12]

- a) Explain why data warehouse is separated from operational database?
- b) Explain designing the data marts.
- c) Compare OLAP with OLTP.
- d) Write a note on data cubes.

Q.5 Answer **ANY FOUR** of the following: [12]

- a) Explain data warehouse features.
- b) Explain drill down operation.
- c) State the advantages of SQL.
- d) Differentiate between data mining and data warehouse.
- e) Explain creating databases and inserting records using SQL.
- f) Discuss types of data models.

* * * * *