

**S.Y. B. SC. (COMPUTER SCIENCE) SEM –III (CBCS - 2016
COURSE) : SUMMER - 2018
SUBJECT : 2) DATA WAREHOUSING & DATA MINING-I**

Day : **Monday**
Date : **30/04/2018**

S-2018-0817

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.
 - 3) Draw neat labeled diagram **WHEREVER** necessary.
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Q.1 Answer any **TWO** of the following: **(12)**

- a) What is Data Mart? Explain the need of Data Mart.
- b) Explain how to design Star-Schema?
- c) Explain the features of Data Warehouse.

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

- a) Draw and explain three tier architecture of Data Warehouse.
- b) Explain features of Database Management System.
- c) Explain the advantages of using SQL.

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

- a) Explain Snow Falk schema with suitable example.
- b) Draw and explain the three-schema architecture of Database System.
- c) Explain the applications of Data Warehouse.

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

- a) Differentiate between OLAP and OLTP (any four points).
- b) Explain Parallel Database System.
- c) Differentiate between roll up and drill down operations.
- d) Explain the following terms:
i) Data ii) Information

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

- a) What is Hybrid OLAP?
- b) What is the role of meta data in Data Warehouse?
- c) Write a short note on Distributed DBMS.
- d) State advantages of Data Warehouse.
- e) What is Hierarchical DBMS. Give one suitable example for the same.
- f) State the advantages of MOLAP.

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