

**S.Y. B. SC. (COMPUTER SCIENCE) SEM –III (CBCS - 2016  
COURSE) : WINTER - 2017  
SUBJECT : 2) DATA WAREHOUSING & DATA MINING-I**

Day : **Friday**  
Date : **10/11/2017**

Time : **11.00 A.M. TO 02.00 PM**  
Max. Marks :60

**W-2017-0726**

**N. B. :**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagram **WHEREVER** necessary.

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

- a) What is DBMS? Explain DBMS operations.
- b) Differentiate between ROLAP and MOLAP with suitable diagrams.
- c) Explain how to design Data Mart with Suitable example.

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

- a) Explain Features of File processing system.
- b) What is roll up operation? Give suitable example for the same.
- c) Explain the applications of Data Warehouse.

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

- a) What is OLTP? What are the features of OLTP?
- b) Explain knowledge Discovery Process.
- c) Explain drill down operation with suitable example.

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

- a) Explain Hybrid OLAP with its advantages.
- b) Draw and explain architecture of Parallel Database Systems.
- c) Explain the features of Data Warehouse.
- d) Explain Star Schema with suitable diagram.

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

- a) What are the steps of data preprocessing.
- b) Give one example to design Snow Falk schema.
- c) What is the purpose of data cleaning processing?
- d) What is the need of Data Mining?
- e) Give syntax and one example of create statement in SQL.
- f) State the features of network data model.

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