

GUJARAT TECHNOLOGICAL UNIVERSITY**MCA INTEGRATED - SEMESTER-VII • EXAMINATION – WINTER 2020****Subject Code:4470622****Date:08-01-2021****Subject Name:Data Warehousing****Time:10:30 AM to 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What is DSS? Explain the Importance of DSS in Data Warehouse . **07**
(b) Give the details of following short notes. **07**
1. Data Integration.
2. Data Homogeneity.
- Q.2** (a) Discuss the Physical Data Model. **07**
(b) Explain the Normalization and De-Normalization in Data Warehouse design. **07**
- Q.3** (a) Discuss Managing Large Amount Data and Multiple Media in Data warehouse. **07**
(b) Discuss Management of Meta-data. **07**
- Q.4** (a) Discuss Efficient Loading of Data in Data Warehouse Technology. **07**
(b) Explain Multi-dimensional DBMS. **07**
- Q.5** (a) What is OLAP? Explain the Various operations of OLAP. **07**
(b) Discuss Building Independent Data Mart. **07**
- Q.6** (a) Explain the difference between Detailed versus Summarized Data. **07**
(b) Discuss the following short notes. **07**
1. Operational Data Store.
2. Snowflake Schema.
- Q.7** (a) Discuss the structure Data with proper example. **07**
(b) Discuss Two tired Data Warehouse. **07**
- Q.8** (a) Discuss Unstructured Data With Proper example. **07**
(b) Explain Self Organized Map(SOM) also Discuss its Advantages. **07**
