Sardar Patel College of Engineering, Bakrol

BE – 6th SEMESTER

MID SEMESTER EXAMINATION-2021

INFORMATION TECHNOLOGY DEPARTMENT

Subject Code: 3161610 **Date: 22/03/2021**

Subject Name: DWM **Total Marks: 30**

Time: 2:00 to 3:30 pm

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks**

Q-1 Multiple-choice questions. [10]

1. Data mining can be called
   (a) As actual discovery phase of knowledge discovery process.
   (b) The stage of selecting the right data for a KDD process
   (c) A subject oriented time variant non-volatile collection of data in business management
   (d) None of these
2. "Efficiency and scalability of data mining algorithms" issues comes under?
   (a) Mining Methodology and User Interaction Issue
   (b) Performance Issues
   (c) Diverse Data Types Of Issues
   (d) None of the above
3. Which of the following applied on warehouse?
   (a) write only
   (b) read only
   (c) both a & b
   (d) none of these

4. Which of the following is a good alternative to the star schema?

(a) snowflake schema

(b) star schema

(c) star snowflake schema

(d) fact constellation

5. ——- is not a data mining functionality?

(a) Clustering and Analysis

(b) Selection and interpretation

(c) Classification and regression

(d) Characterization and Discrimination

6. A ___ allows data to be modelled and viewed in multiple Dimensions.

(a) Data Warehouse

(b) Data Cube

(c) Both of above

(d) None of above

7. Data warehouses and OLAP tools are based on ___ data model.

(a) Multidimensional

(b) Object-Oriented

(c) Network

(d) None of above

8. __ is a random error or variance in measured variables.

(a) Noise

(b) Inconsistency

(c) Incompleteness

(d) None of above

9. Clustering is also called:

(a) Segmentation

(b) Compression

(c) Partitions with similar objects

(d) All the above

10. Data Warehouse is data in support of management's _____.

(a) Integration Process

(b) Decision making system

(c) Both of above

(d) None of above

Q-2 Descriptive questions (All questions are compulsory) [20]

11. Give differences between OLAP and OLTP.
12. What is Data Mining? Why is it called data mining rather knowledge mining?
13. Explain KDD process.
14. Describe various methods for handling missing data values with example.
15. Explain Data Mining Issues.

********** BEST OF LUCK**********