BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)

CLASS: BE   SEMESTER: VII
BRANCH: IT   SESSION : MO/2019

SUBJECT : IT7021 DATA MINING CONCEPTS AND TECHNIQUES

TIME: 1.5 HOURS   FULL MARKS: 25

INSTRUCTIONS:
1. The total marks of the questions are 30.
2. Candidates may attempt for all 30 marks.
3. In those cases where the marks obtained exceed 25 marks, the excess will be ignored.
4. Before attempting the question paper, be sure that you have got the correct question paper.
5. The missing data, if any, may be assumed suitably.

Q1 (a) What is data mining? Explain.   [2]
    (b) Describe the steps involved in data mining when viewed as a process of knowledge   [3]
         discovery

Q2 (a) How is a data warehouse different from a database? How are they similar?   [2]
    (b) Describe the major issues involved in Data Mining.   [3]

Q3 (a) Illustrate the four different methods to handle the missing values in Data.   [2]
    (b) Describe the different schema used in data warehouse.   [3]

Q4 (a)   In data mining why we require the data reduction? Explain.   [2]
    (b) Describe the OLAP operations in multidimensional data model   [3]

Q5 (a) What is DMQL?   [2]
    (b) Describe the architecture of data mining system.   [3]

Q6 (a) Explain the DMQL - syntax for task relevant data specification.   [2]
    (b) Explain the DMQL -syntax for kind of knowledge to be mined.   [3]

::::: 19/09/2019M :::::::