

Assignment 1

CAP446 DATA WAREHOUSING AND DATA MINING

MM: 30

INSTRUCTIONS

1. *Each question carries 6 marks.*
2. *Refer to your set number by following the last digit of your roll number for class.*
3. *Submit hand written solutions compiled in a pdf format on ums only. (ums → lms → assignment → assignment upload)*
4. *Wrong attempt of sets/ copied assignments will be evaluated to zero.*
5. *Submit assignments on or before 28.09.2021.*

SET A (EVEN ROLL NUMBERS)

1. What is a data cube? Explain its various operation by taking a real-life example or a case study.
2. What can be the major issues in the process of data mining? Support your answer with relevant examples.
3. How are interesting patterns detected from a dataset? Illustrate an example to support your answer.
4. What is KDD process? State each step with an example.
5. How is an OLAP different and complex in working than OLTP? Justify your answer with an example.

SET B (ODD ROLL NUMBERS)

1. Justify the statement “frequent patterns are used to increase the sales of organization?”
2. Why is an OLTP system considered economic as compared to OLAP?
3. What is KDD process? State each step with an example.
4. Data Mining provides various functionalities? Explain each with example.
5. Explain any 3 types of data repositories stating relevant examples.