

TE IT semester VI (CBCGS) FH 2019

Subject: Data Mining and Business Intelligence

Question Bank for IA-I

**02 marks questions**

- 1 Distinguish between OLAP and OLTP.
- 2 What are the steps of data pre-processing?
- 3 What is the difference between classification and regression? Explain with example.
- 4 What is supervised learning? How Entropy is calculated?
- 5 What are the issues in data mining?
- 6 Enlist the strategies used for data transformation
- 7 What is Normalization? Explain with example
- 8 What are outliers? Why is it needed to find outliers? State any application where outlier detection is involved in Data Mining?
- 9 Enlist different technologies used in data mining
- 10 What is binning? Why is it called as data smoothing operation?

**05 marks questions**

- 1 What are sampling techniques? Differentiate between SRSWOR and SRSWR with example
- 2 What are the different strategies to handle missing values during data cleaning?
- 3 Draw and explain architecture of Data mining system.
4. **Numerical problems** based on statistics, box plot analysis, min-max Normalization and confusion matrix.