Code: IT6T4

III B.Tech - II Semester – Regular/Supplementary Examinations AUGUST - 2021

DATA MINING AND DATA WAREHOUSING
(INFORMATION TECHNOLOGY)

Duration: 3 hours   Max. Marks: 70

PART – A

Answer *all* the questions.   All questions carry equal marks

$$11x\ 2 = 22\ M$$

1.

a) Define Data ware housing.
b) What is clustering?
c) What is Gini index?
d) Define Binary attribute.
e) What is OLAP?
f) What is support?
g) Write the formula for Ecludian Distance.
h) List out density based clustering methods.
i) What is Tree Pruning in Data mining?
j) What is Max pattern set?
k) List the types of outliers.

PART – B

Answer any *THREE* questions. All questions carry equal marks.

$$3 \times 16 = 48 \text{ M}$$

2. a) Discuss in detail about classification of Data mining systems. 8 M

   b) Illustrate Data transformation and reduction process with an example. 8 M

3. a) Describe typical OLAP operations. 8 M

   b) Explain nominal & ordinal attributes with examples. 8 M

4. Illustrate FP-Growth Algorithm with an example. 16 M

5. Illustrate different Bayes classification methods. 16 M

6. a) Explain K-means algorithm with an example. 8 M

   b) Describe different types of outlier methods. 8 M