BSc. VIth Sem (Data Mining)

Marks : 30   Time : 1hours

All questions are compulsory.

Q. No.	Write all answers in one place.	Mark
1	(i)Differentiate between Outlier analysis and Evolution analysis? (ii)What is web log mining? (iii)How prediction is different from classification and how they are similar? (iv) What are the advantages and disadvantages of snowflake schema over star schema? (v)What are the advantages of data warehouse? (vi)How to handle missing values in data?	6 x 2
2	Explain the 3-tier architecture of data warehouse.	06
3	Out of a sample of 120 persons in a village 76 persons are given a new drug for preventing influenza and out of them 24 persons are attacked by influenza. Out of those who were not given the drug 12 persons were not affected by influenza. Prepare the 2x2 contingency table and calculate the Chi-square value.	06
4	Suppose a hospital tested the age for 09 randomly selected adults with the following result 	Age	23	23	27	27	39	41	47	49	50	 Normalize these values using Z-score normalization method.	06