JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST-1 EXAMINATION (SEP 2018)
B-Tech (7th SEM)

Course Code: 11B1WCI832

Course Name: INFORMATION RETERIVAL
AND DATA MINING

Course Credit: 3

Max. Marks: 15

Max. Time: 1 HRS

Note: All questions are compulsory

Q. No. 1   A machine has been designed which measures temperature in kelvin for patients in ICU. As a data miner what you can tell about this data and which kind of operations can be done on this data.   **[3 Marks]**
[CO-1]

Q. No. 2   Answer and justify following questions: **[3 Marks]**
(a) Is noise ever interesting or desirable?   **[CO-1]**
(b) Can noise objects can be outliers?
(c) Are noise objects are always outliers?

Q. No. 3   Describe how you will create visualizations to display information that describes the following types of systems: **[3 Marks]**
[CO-2]
    (a) Computer Networks
    (b) The change in occupation of workers in a country over last 10 years.
    (c) The use of computer resources such as processor time, main memory and disk, for a set of benchmark database programs.

Q. No. 4   Explain Entropy and Gini in terms of decision tree classification. Also provide comparison between these two using a diagram.   **[3 Marks]**
[CO-2]

Q. No. 5   Explain in detail the working of feed forward multi-layer artificial neural network.   **[3 Marks]**
[CO-2]