JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
(T-1 Examination Feb-2020)
M.Tech. 2nd Semester

COURSE CODE: 11M1WCI431   **MAX. MARKS: 15**

COURSE NAME: Advanced Web Mining

COURSE CREDITS: 4   **MAX. TIME: 1 Hrs**

Note: *All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.*

Q.1   What the use of web mining for different applications? Explain the different type   (4)
of web taxonomies in context to Web Content Mining, Web Structure Mining, and
Web Usage Mining with the help of suitable example.

Q.2   What are the steps include in carry out in Web Usage Mining. Name the different   (3)
tools that are used for web mining. List some popular tool used for web mining.

Q.3   Transactional data for an All Electronics branch. TID List of item IDs is given   (5)
below. There are nine transactions in this database, that is, |D| = 9. Use the Apriori
algorithm for finding frequent itemsets in D. Suppose min support is 2.

TIDs	Items
T100	I1, I2, I5
T200	I2, I4
T300	I2, I3
T400	I1, I2, I4
T500	I1, I3
T600	I2, I3
T700	I1, I3
T800	I1, I2, I3, I5
T900	I1, I2, I3

Q.4   For the above data set as given in question no. 3, Generating Association Rules   (3)
from Frequent Itemsets and calculate the confidence using the support formula.