JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
Test 1 Examination (September 2018)
B.Tech. (VII Semester)

COURSE CODE: 10B1WCI731   MAX.MARKS: 15
COURSE NAME: Artificial Intelligence   MAX.TIME: 1 hrs.
COURSE CREDITS:3

Note: **Attempt all the questions. All questions carry equal marks.**

1. Explain best first search? How to implement a crawling agent using best first search?
   [CO1][Marks 3]

2. Write technical details of how a crawling agent take care of robot ethics, politeness and refresh policy?   [CO1][Marks 3]

3. Describe key word query search techniques using inverted index. Include the relevance of trie, posting list and map-reduce in your answer.   [CO2][Marks 2+3]

4. Why an AI agent required rank reporting? Explain pagerank computation for relational data (graph).   [CO2][Marks 1+3]