

Dr. Sun

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- FEBRUARY 2019

M.Tech IV Semester

COURSE CODE: 11M1WCI431

MAX. MARKS: 15

COURSE NAME: Advanced Web Mining

COURSE CREDITS: 03

MAX. TIME: 1 Hrs

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

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1. Explain Inclusion and overlapping between WWW and Internet. Differentiate web over any graph in terms of "small world", "power law" and clustering coefficient". Explain the construction of a content based desktop search engine. [CO1- 6 marks]
2. What is web crawling, mention two applications of web crawler. Demonstrate Mercator's crawler for large-scale web crawling. [CO2- 5 marks]
3. Construct index and inverted index for the documents below. What will be the answer documents for the term query "international city"? [CO3-4 marks]

Document1: Covers breaking news from around the world.

Document2: International news, analysis and commentary.

Document3: Internationally published free city news paper