

INSTITUTE OF AERONAUTICAL ENGINEERING

(AUTONOMOUS)

Code No: BCS201

MODEL QUESTION PAPER - II

M. Tech II Semester Regular Examinations, August 2017

WEB INTELLIGENT AND ALGORITHMS

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Answer ONE Question from each Unit

All Questions Carry Equal Marks

All parts of the question must be answered in one place only

UNIT-I

1. (a) What is page Rank and page rank is used for search engine optimization explain briefly? [7M]
(b) Describe about Intelligent web applications. What are its applications? [4M]
(c) List out intelligent web applications? [3M]
2. (a) What are the Concepts of distance and similarity, collaborative filtering, Recommendations based on similar users. [7M]
(b) Describe the creating suggestions and recommendations. [4M]
(c) What is Dynamic navigation? [3M]

UNIT-II

3. (a) How the Google PageRank Algorithm Works and also explain Tool PageRank and Real Page PageRank? [7M]
(b) What are the major differences among web 1.0 , web 2.0 and web 3.0 ? [7M]
4. (a) Explain how many forms of tagging is there and the use of the tags? Working example of how intelligence is extracted from tags? [7M]
(b) What is ranking, how ranking is done and describe two ranking models? [7M]

UNIT-III

5. (a) Differences between suggestions and recommendations? [7M]
(b) What is web searching, indexing? [4M]
(c) What is meant by user interactions? [3M]
6. (a) Describe data mining methods of clustering, classifiers and association rule mining techniques? [7M]
(b) Define Neighborhood based recommendation systems. [7M]

UNIT-IV

7. (a) What is recommendation system and describe the hybrid recommender system in detail? [7M]
(b) Explain following recommender systems?
i) Collaborative recommender system
ii) Constraint based recommender system [4M]
(c) Define Data mining methods in recommendation systems: Classifiers. [3M]

8. (a) Explain the process of extracting intelligence from Blogs. [7M]
(b) What are spider traps? [4M]
(c) Write about ranking documents, precision and recall. [3M]

UNIT-V

9. (a) How to Extracting intelligence from wikis, message boards. [7M]
(b) Define calorific value of fuel. Distinguish gross and net calorific value. [4M]
(c) Write about collaborative filtering? [3M]
10. (a) Explain about Leveraging tags in detail? [7M]
(b) Explain about Web 3.0 and the semantic web? [4M]
(c) What is Improving search results based on link analysis? [3M]