INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
M.Tech II Semester End Examinations (Regular) - July, 2018
Regulation: IARE–R16
WEB INTELLIGENT AND ALGORITHMS

Time: 3 Hours   (CSE)   **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) Explain the Web intelligent process and list various intelligent web applications. **[7M]**

   (b) What are the major differences among web 1.0, web 2.0 and web 3.0? **[7M]**

2. (a) How do you quantify the degree of success for a search engine using precision and recall. Explain in detail? **[7M]**

   (b) Explain the process of improving search results by user clicks. **[7M]**

UNIT – II

3. (a) Explain in detail recommendations based on similar users with an example. **[7M]**

   (b) Explain in detail three types of content-based recommendations. **[7M]**

4. (a) Describe the process of recommending movies on a site such as Netflix.com. **[7M]**

   (b) Explain large-scale implementation and evaluation issues of recommender systems. **[7M]**

UNIT – III

5. (a) Explain the process of tag generation and tag related meta data. **[7M]**

   (b) Explain about hybrid recommender systems and its types. **[7M]**

6. (a) Explain in detail about targeted search and dynamic navigation. **[7M]**

   (b) Explain how to extract intelligence from tags of learning from user interaction. **[7M]**

UNIT – IV

7. (a) Explain memory based and model based approach in collaborative filtering. **[7M]**

   (b) Differentiate between suggestions and recommendations. **[7M]**

8. (a) Explain about constraint based recommender systems. **[7M]**

   (b) Explain about neighbourhood based recommender systems. **[7M]**

UNIT – V

9. (a) Explain about association rule mining techniques. **[7M]**

    (b) Explain the following clustering methods. **[7M]**
        i) Partitioning Method
        ii) Grid-based Method

10. (a) Explain about evolution of web 3.0 and semantic web. **[7M]**

    (b) Explain the explanations and evaluation of recommender systems. **[7M]**

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