R15

Code No: 825AD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA V Semester Examinations, October/ November - 2020
INFORMATION RETRIEVAL SYSTEMS

Time: 2 Hours   **Max. Marks: 75**

Answer any five questions
All questions carry equal marks
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1.   Explain with a neat example how Inverted Index is constructed for a given query.   [15]

2.a)   Write a short note on Query Expansion.
 b)   Explain briefly about the evaluation of Relevance Feedback Strategies.   [7+8]

3.   Explain in detail how a document is represented and retrieved in XML Retrieval using
        Vector Space Model.   [15]

4.a)   Explain in detail about Group Average Agglomerative Clustering.
 b)   Write a short note on Divisive Clustering.   [7+8]

5.a)   Enumerate the features of a Web Crawler.
 b)   Explain the Crawler Architecture with a neat diagram.   [7+8]

6.   Enumerate the reasons for Dictionary Compression. Explain in detail the two
        techniques used in Dictionary Compression.   [15]

7.   Explain in detail how Rocchio algorithm is used for Relevance Feedback.   [15]

8.a)   Write a short note on the "1/0 Loss Case" in the Probability Ranking Principle.
 b)   Explain briefly the Binary Independence Model used with PRP.   [7+8]

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