

**R17**

Code No: 845AE

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA V Semester Examinations, July/August - 2021****INFORMATION RETRIEVAL SYSTEMS****Time: 3 Hours****Max.Marks:75**

**Answer any five questions**  
**All questions carry equal marks**

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- 1.a) Explain in detail about Formal Characteristics of IR Models.
- b) Write a detailed note on Fuzzy Set Model for Information Retrieval. [7+8]
2. Write a detailed note on Structural Text Retrieval Models. [15]
- 3.a) Write a detailed note on various measures employed for Retrieval Performance Evaluation.
- b) Explain in detail about Pattern Matching. [7+8]
4. Explain in detail about how the User Relevance Feedback is employed in Vector Model and Probabilistic Model. [15]
- 5.a) Explain in detail about Inverted Files.
- b) Write a detailed note on Signature Files. [8+7]
6. Write a detailed note on Search Engines. [15]
- 7.a) Explain in detail about Design Principles and role of Visualization in Human Computer Interaction.
- b) Write a detailed note on various models of Interaction. [8+7]
- 8.a) Explain in detail about Automatic Feature Extraction.
- b) Write a detailed note on A Generic Multimedia Indexing Approach. [7+8]

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