

Code No: 845AE

**R17****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA V Semester Examinations, December - 2019****INFORMATION RETRIEVAL SYSTEMS****Time: 3hrs****Max.Marks:75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A****5 × 5 Marks = 25**

- 1.a) Write a brief note on Taxonomy of IR models. [5]
- b) Write a short note on Document Clustering. [5]
- c) Explain briefly the challenges in Searching the Web. [5]
- d) Write a brief note on Query Specification. [5]
- e) Explain briefly about the Multimedia IR Indexing. [5]

**PART - B****5 × 10 Marks = 50**

2. Write a detailed note on Classic Information Retrieval. [10]  
**OR**
- 3.a) Explain in detail about Inference Network Model.  
b) Write a detailed note on Extended Boolean Model. [5+5]
4. Write a detailed note on Keyboard-based Querying . [10]  
**OR**
- 5.a) Explain in detail about Automatic Local Analysis.  
b) Write a detailed note on various steps involved in Document Preprocessing. [5+5]
- 6.a) Explain in detail about Sequential Searching process.  
b) Write a detailed note on Meta searchers. [5+5]  
**OR**
- 7.a) Write a detailed note on Searching using Hyperlinks.  
b) Explain how the Pattern Matching using Indices work. [5+5]
8. Explain in detail about Using Relevance Judgments for Information Retrieval. [10]  
**OR**
- 9.a) Write a detailed note on Starting Points for Information Retrieval.  
b) Explain in detail about Faceted Queries. [5+5]
10. Explain in detail about Two-Dimensional Color Images in Multimedia IR. [10]  
**OR**
- 11.a) Explain in detail about Query Languages employed in Multimedia IR.  
b) Write a detailed note on Multimedia Data support in commercial DBMSs. [5+5]

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