JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year I Semester Examinations, March - 2021
INFORMATION RETRIEVAL SYSTEMS
(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks
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1.a) Define Information retrieval systems and write about importance of IRS.
 b) What are the capabilities of Information retrieval systems? Describe. [7+8]

2.a) What are digital libraries and data warehouses? Write their significance.
 b) Explain the history and objectives of indexing. [8+7]

3. What is stemming? Explain porter stemming algorithm. [15]

4.a) Explain about Inverted file structure with example.
 b) Discuss in detail about XML and Hypertext data structures. [7+8]

5. Differentiate between the process of information extraction and document indexing. [15]

6. Discuss about hierarchy of clustering. Compare and contrast term clustering and item clustering. [15]

7. How cognition and perception are significant in information visualization? What are the technologies used in information visualization? Discuss. [15]

8.a) What are hardware text search algorithms? Explain them in detail.
 b) Explain audio, video and graph retrieval methods of MIR. [7+8]

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