PB2322

[6263]-170

B.E. (Information Technology)
INFORMATION AND STORAGE RETRIEVAL
(2019 Pattern) (Semester-VII) (414441)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:
1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) Define Query. What are various techniques used to specify query in information visualization? **[9]**

b) Define and explain following terms **[9]**

    i) Precision

    ii) Recall

    iii) F-Score

OR

Q2) a) What are User oriented measures used in performance evaluation of IR systems. **[9]**

b) Define and explain following terms- **[9]**

    i) MRR

    ii) NDCG

    iii) E-measure

Q3) a) What is Distributed IR? Explain in detail automatic feature extraction in Distributed IR. **[9]**

b) Describe Multimedia data support in Commercial DBMS. **[8]**

OR

Q4) a) What is multimedia IR? Explain GEMINI Approach for Multimedia IR?**[9]**

b) Explain in detail Multimedia Office Server (MULTOS). **[8]**

Q5) a) Explanation of search engine mechanism- [4 M] Diagram- [2 M]. **[6]**

b) Explain Crawler-Index Architecture with a diagram. **[6]**

c) Write a note on request module and beautiful soup library. **[6]**

OR

Q6) a) Write a short note on Web Scraping. **[6]**

b) What is page ranking? Explain importance of page ranking in detail. **[6]**

c) What are the different components of Web crawler. **[6]**

Q7) a) Compare Text- Centric and Data-Centric XML retrieval. **[9]**

b) Explain Vector space Model for XML Retrieval. **[8]**

OR

Q8) a) Define Recommender system. Explain in brief Content based recommendation. **[9]**

b) Differentiate between collaborative system and content based filtering system. **[8]**

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