

(2)

Ex/MLDL/5.4/22/2019

**MASTER OF LIBRARY AND INFORMATION SCIENCE
(DIGITAL LIBRARY) EXAMINATION, 2019**

(4th Semester)

Information Retrieval in Digital Environment

Paper : MLDL - 5.4

Time : Two hours

Full Marks : 50

2B. Explain the reasons for development of 'expert systems'. Discuss architecture of 'expert system'. How it can be applicable in different areas of library activities. 3+6+6

3. Write short notes on any *two* of the following :

(a) Parsing

OR

(b) Heuristics

(c) Use of Classification Schemes in organization of Internet resources

(d) Problems IR system evaluation in Web environment.

Answer *all* questions.

1A. What should the purpose of evaluating an IR system? Discuss the use of Recall and Precision in evaluation of performance of such a System. State the limitations of Recall and Precision in evaluation of an IR system.

3+8+4

OR

1B. What is Web IR? Discuss the characteristic features of Web IR.

3+12

2A. What is meant by 'Natural Language Processing'. Discuss in brief the parsing techniques. Explain 'Transition Network' with example. Discuss 'Structural Network' as proposed by Noam Chomsky.

3+4+4+4

OR

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(Turn Over)