

(2)

Ex./ML/05/43/2018

**MASTER OF LIBRARY & INFORMATION SCIENCE
EXAMINATION, 2018**

(2nd Semester)

Information Retrieval

Paper - ML - 05

Time : Two hours

Full Marks : 40

Answer *all* questions.

3A. Draw a basic layout of Search Engine Result Page (SERP).
What are Dynamic Query Suggestions ? How queries can
be refined via facets ? What is web spam ? 3+3+2+2

OR

3B. Define browsing. Distinguish between browsing
and searching. State the problems of web browsing.
What measures should be taken to overcome those
problems ? 2+2+2+4

4A. What is information foraging ? Describe different models
of information foraging. Discuss the concepts of
information patch and information scent. 2+4+4

OR

4B. Write short notes on any *two* of the following : 5x2

- (a) TREC
- (b) Information visualization
- (c) Information Seeking Behaviour
- (d) Resource discovery

1A. What are the purposes of evaluation of IR systems ?
Critically discuss the findings of Cranfield tests. 3+7

OR

1B. Define query expansion. What are the different types of
it ? Describe the process of query expansion. Name a few
query expansion tools. 2+2+4+2

2A. What is relevance ? Discuss the following formula :

Relevances = INfRes x Repr x Time x Comp 2+8

OR

2B. Why is Natural Language Processing (NLP) hard ? Give
examples of some NLP tools. Make parse tree for the
sentence – “*The bird peck the grains*”. 6+2+2

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(Turn Over)