MASTER OF LIBRARY & INFORMATION SCIENCE
THIRD SEMESTER
INFORMATION RETRIEVAL
MLS-301

Duration: 3 Hrs.

Marks: 70

PART : A (OBJECTIVE) = 20
PART : B (DESCRIPTIVE) = 50

[PART-B : Descriptive]

Duration: 2 Hrs. 40 Mins.

Marks: 50

[Answer question no. One (1) & any four (4) from the rest]

1. Why is Information retrieval an important function of any library? What is the major function and objective of Information Retrieval System (IRS)? (5+5=10)

2. What is NLP? Describe about the ambiguity and Problems in NLP. (10)

3. What is inverted file? Describe the application of the Information Retrieval. What is the relation between recall and precision? (10)

4. Write a brief note on Content analysis. Explain the role of subject heading and Cataloguing as Content analysis tool. (10)

5. Define indexing system. Explain different types of languages used in indexing process with suitable examples. (10)

6. Define search technique. Explain dictionary, numeric and classified arrangement for arranging and retrieving library material with proper examples. (10)

7. What is keyword indexing? Explain the structure and steps of KWIC indexing with suitable examples. (10)

8. Short notes: (*any two*) (5+5=10)

   a) Bibliographic Repositories

   b) Boolean search

   c) KWOC

   d) Subject Heading

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[PART-A : Objective]

Choose the correct answer from the following : 1×20=20

1. Noise in Information Retrieval is due to................
   a. Precision
   b. Recall
   c. Relevant information
   d. Redundant information

2. Information retrieval is fastest from:
   a. Floppy Disk
   b. Magnetic Tape
   c. Hard Disk
   d. None of the above

3. The term 'Precision' to measure the performance of Information Retrieval Systems, was suggested by:
   a. S.R. Ranganathan
   b. S.R. Ranganathan
   c. F.W. Lancastere
   d. Cyril Cleverdon

4. High Level Language is..................
   a. Disk space dependent
   b. O. S. dependent
   c. Machine independent
   d. Machine dependent

5. An increase in the level of 'specificity' of indexing languages results in increase in:
   a. Recall
   b. Precision
   c. Noise
   d. Both recall and precision

6. A number of devices that are related to recall and precision have been studied by:
   a. Gilchrist   b. Vickery
   c. Lancaster   d. Ranganathan

7. LYCOS is a:
   a. search engine
   b. programming language
   c. database
   d. database vendor

8. Match the following:

List-I	List-II
(a) Search Engine	(i) Internet Explorer
(b) Subject Gateway	(ii) Dogpile
(c) Net Browser	(iii) FTP
(d) Meta Search Engine	(iv) SOSIG
	(v) Altavista

   Code:

	(a)	(b)	(c)	(d)
a.	(iv)	(iii)	(ii)	(i)
b.	(v)	(iv)	(i)	(ii)
c.	(v)	(i)	(ii)	(iii)
d.	(v)	(i)	(iv)	(ii)

9. One of the following search engine is exclusively meant for scientific information:
   a. Google
   b. Yahoo
   c. SCIRUS
   d. Altavista

10. Natural Language Processing (NLP) is field of:
    a. Computer Science
    b. Artificial Intelligence
    c. Linguistics
    d. All of the mentioned

11. In which order list of words arranged in a thesaurus?
    a. Alphabetical
    b. Numerical
    c. Classified
    d. Dictionary wise

12. What is Boolean search?
    a. It is used in computerized database.
    b. It is used a manual search strategy.
    c. Combine search statement using YES /NO.
    d. Combine search statement using AND/OR/NOT.

13. Which name is given to *controlled vocabulary*?
    a. Dictionary   b. Classification
    c. Thesaurus   d. None of the above

14. What does LCSH stands for?
    a. Library of congress subject heading list.
    b. Library of congress for subject heading.
    c. Library of congress subject heading.
    d. None of the above.

15. What is the full form for KWOC indexing system?
    a. Keyword of Computer
    b. Keyword of Context
    c. Keyword Out of Context
    d. Keyword of Out Context

16. In which discipline citation indexing was first developed?
    a. Science
    b. Mathematics
    c. Law
    d. Humanities

17. What are two important versions of keyword indexing?
    a. KWIC and KWEC
    b. KWAC and KWUC
    c. KWEC and KWAK
    d. KWOC and KWAC

18. What is the manner of arrangement of subject heading according to LCSH list?
    a. Word by word
    b. Letter by letter
    c. Classified
    d. None of these

19. Which of the following cannot be considered as a thesaurus?
    a. MESH
    b. TEST
    c. LCSH
    d. All of the above

20. Who introduced Boolean logic and Boolean operators?
    a. George Boole
    b. Boole George
    c. M T Boolean
    d. George Boolean

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UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA

[PART (A) : OBJECTIVE]

Duration : 20 Minutes

Serial no. of the
main Answer sheet

Course :

Semester :   Roll No :

Enrollment No :   Course code :

Course Title :

Session :   2017-18   Date :

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Instructions / Guidelines

➤ The paper contains twenty (20) / ten (10) questions.

➤ Students shall tick (✓) the correct answer.

➤ No marks shall be given for overwrite / erasing.

➤ Students have to submit the Objective Part (Part–A) to the invigilator just after completion of the allotted time from the starting of examination.

Full Marks	Marks Obtained
20	

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Scrutinizer's Signature   Examiner's Signature   Invigilator's Signature