

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

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

Choose the correct answer from the following:

1 x 20 = 20

1. The word 'thesaurus' comes from Greek term
a. Thesaurus b. Thesauras
c. Thesauros d. Thesaoros
2. Which among the following is not an Information Retrieval Model?
a. Boolean Model b. Vector Space Model
c. Indexing Model d. Probabilistic Model
3. "Information Retrieval" term was coined by
a. Calvin Mooers b. Melvil Dewey
c. Melvil Dewey d. Calvin Mooers
4. The term "Thesaur-Facet" has been developed by
a. Peter Drucker b. Samuel Roget
c. Jean Aitchison d. None of the above
5. Classaurus is developed by
a. SR Ranganathan b. CA Cutter
c. Ganesh Bhattacharya d. Melvil Dewey
6. "Roget's Thesaurus" was developed in the year
a. 1842 b. 1842
c. 1852 d. 1852
7. The important factor for measuring the efficacy of a system is known as
a. Literature Search b. Indexing
c. Navigational Search d. Response Time
8. Who is the first librarian to consider the detailed arrangement by subject?
a. Melvil Dewey b. CA Cutter
c. SR Ranganathan d. HP Luhn
9. Content Analysis is a method.
a. Qualitative Method b. Quantitative Method
c. Observation Method d. Probabilistic Method
10. The Boolean operator "AND" is related to
a. Disjunction b. Productive
c. Conjunction d. Complementation

11. The Boolean operator "OR" is related to
 - a. Disjunction
 - b. Complementation
 - c. Productive
 - d. Conjunction
12. The Boolean operator "NOT" is related to
 - a. Productive
 - b. complementation
 - c. Disjunction
 - d. Conjunction
13. KWIC Method was based in
 - a. Title
 - b. Full Text
 - c. Abstracts
 - d. Citation
14. KWIC indexing method was developed by
 - a. Calvin Mooers
 - b. Allen Kent
 - c. H.P. Luhn
 - d. M.Taube
15. search can designate that two or more keywords must be within a specified distance.
 - a. Boolean
 - b. Proximity
 - c. Free Text
 - d. Heuristic
16. Navigational search relates to
 - a. Document
 - b. Web Page
 - c. Literature Search
 - d. Retrieval
17. The full form of KWOC is
 - a. Keyword out of context
 - b. Keyword outside the Context
 - c. Keyword out of Centre
 - d. Keyword out of Content
18. is the fraction of retrieved documents that are relevant to the user's information need.
 - a. Precision
 - b. Achiever
 - c. Recall
 - d. Searcher
19. is the fraction of relevant documents in collection that are retrieved. Answers the question of whether all the relevant documents were retrieved.
 - a. Precision
 - b. Achiever
 - c. Recall
 - d. Searcher
20. What is the component of a search engine which automatically retrieves documents from the web page?
 - a. Builder
 - b. Searcher
 - c. Archiver
 - d. Spider

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(Descriptive)

Time : 2 Hr. 30 Mins.

Marks : 50

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

1. Define information retrieval in context of a library and information center. Discuss the components of information retrieval system. Elaborate the role of database management system in information storage and retrieval system 2+3+5=10
2. What is the role of thesaurus in implementing vocabulary control? What are the different types of relationships displayed in a thesaurus? Discuss the differences between Thesauruses with other vocabulary control tools. 2+4+4=10
3. What is Indexing Language with example? What are the three types of indexing languages and differentiate them. Discuss the Role of Indexing Language in the Information Retrieval Process with example. 2+5+3=10
4. What is the purpose of vocabulary control in library science? Mention the function of vocabulary control. Discuss the different vocabulary tools and their functions. 2+3+5=10
5. What is the purpose of the search strategy? Discuss the different types of searching strategies with example. 2+8=10
6. What are the evaluation methods of an Information Retrieval System? Discuss the application of computer information retrieval. 2+8=10
7. Define Machine Translation. What is the main problem for machine translation? What is the use of machine translation in natural language processing? Explain elaborately about the role and application process of natural language processing. 1+2+2+5=10
8. What is the purpose of indexing in library science? Why is keyword indexing important? Discuss in detail about different types of keyword indexing. 2+2+4=10

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