

2007

INFORMATION PROCESSING AND RETRIEVAL-II

PAPER-N

Full Marks : 80

Time : 31 hours
2

Answer Q. No. 1 and any four questions, taking one from each Unit

The figures in the right-hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers whenever necessary

1. Write short notes on any *four* of the following : 4x4
- (a) Proximity search
 - (b) Role operators
 - (c) Derived indexing
 - (d) Response. time
 - (e) Standard format
 - (f) Recall value.

UNIT-I

2. Explain, with the help of a diagram, the inner mechanism of the operation of information storage and retrieval system.' 16
3. (a) What do system-effectiveness, cost-effectiveness and cost-benefits signify in the evaluation of an IR system ?
- (b) Discuss the causes of the poor performance of IR system. 12+4

UNIT-II

4. 'While solving the problems of compound subject headings Kaiser started from the point where Cutter left.'-Critically examine the statement. 16
5. (a) **Discuss**, with examples, the principles of PRECIS.
- (b) How are these principles achieved in the entry structure of PRECIS. 8+8

UNIT III.

6. (a) **Define Indexing Language :**
- (b) **What are the differences between indexing language and natural language ?**

- (c) Explain the functions of different components of an **indexing** language. 3+5+8
7. (a) How are the different relationships displayed in a **thesaurus**?
- (b) Discuss, with examples, the criteria for determining the associative relationships in a thesaurus. 6+10

UNIT-N

8. (a) What do you mean by Online IR ?
- (b) **Comment on the role of open source software for an efficient online IR system.** 6+10
9. (a) What is inverted file?
- (b) How is it prepared ?
- (c) **Discuss its role, with suitable examples, in a bibliographic DBMS.** 4+6+6