

2005

(July)

LIBRARY AND INFORMATION SCIENCE

(**Computer Application in Library and
Information Science**)

Course No. : 403

Full Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer *any five* questions

1. What is computer? Discuss the system concept of a computer. 5+10

2. What is a file? Define the different characteristics of file organisations. 5+10

3. What is data structure? Describe the characteristics of data processing. 5+10

4. Define data models and discuss the characteristics of relational models. 5+10
5. Define object-oriented database. Discuss object structure with suitable illustrations. 5+10
6. Describe computerised acquisition system of any of the softwares which you have studied. 15
7. Describe transmission media. Differentiate between the guided and unguided transmission media. $7\frac{1}{2}+7\frac{1}{2}$
8. What is LAN? Discuss the application of LAN in libraries. 5+10
9. Discuss new features of CDS/ISIS of WINISIS 1.5 version. 15
10. Write notes on any *two* of the following : $7\frac{1}{2}\times 2=15$
 - (a) Database security
 - (b) Bibliographic databases
 - (c) Distributed databases
 - (d) MARC-21

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The questions are of equal value

Answer **any five** questions

1. Define Operating System, and discuss the features of Windows.
2. Discuss in detail various types of computer storage media.
3. Explain various types of transmission media. Differentiate between them.
4. Discuss in detail different types of data structures/models.

5. Define database, and explain the characteristics of bibliographic and distributed databases.
6. Explain the concept of bibliographic formats. Discuss in detail international standard formats.
7. Explain the salient features of either MARC 21 or CCF. Why are common formats useful in electronic environment?
8. Explain the features of CDS/ISIS and discuss its usefulness for library automation.
9. Discuss the different types of file organisation in detail.
10. Write short notes on any *two* of the following :
 - (a) Local Area Network (LAN)
 - (b) System Development Life Cycle (SDLC)
 - (c) DTP
 - (d) Components of a Computer
