Bachelor of Library and Information Science Examination, 2023
First Year First Semester Supplementary Examination 2023
Computer Basics and Library Automation (Theory)
Paper : BL-07

Time : Two Hours   Full Marks: 50

The figures in the margin indicate full marks
Answer all the questions

Q.1 (a) What is a computer system? Draw a block diagram to illustrate the basic organization of a computer system and explain the functions of its various units.   2+8

OR

Q.1 (b) Explain the features of different categories of software with examples. What is memory hierarchy in a computer system? Why is memory hierarchy created in a computer system?   6+2+2

Q.2 (a) Define the term 'Database'. Explain the basic objectives of a database. What is DBMS? What are the different components of DBMS? Name the different methods of organizing files.   1+3+1+3+2

OR

Q.2 (b) Explain the terms: file, records, field and character in the context of databases. What do you understand by Data Model? How can we retrieve data from database? Demonstrate through an example by constructing a search statement.   4+2+4

Q.3 (a) What do you understand by 'Data communication' and 'Computer Network'? What are the different types of computer networks? Explain the different types of network topologies with diagrams.   4+2+4

OR

Q.3 (b) What is the need of Internetworking? Discuss the applications of Internet for supporting various library activities. What are the benefits and disadvantages of using social networking sites?   2+4+4

Q.4 (a) Explain the different steps of library automation. Name any two software for library automation. Discuss the basic modules of any one library automation software of your choice.   4 +1+5

OR

Q.4 (b) What do you mean by ILMS? What are the benefits of library automation? Discuss areas of library automation in the digital library environment.   2+4+4

Q.5 Write short notes on any two of the following: 5x2 =10
(a) Programming concepts and languages
(b) Data representation in computers
(c) Network protocols
(d) Library network