

**Professional**

**Non CBCS**

**2021**

**M.Lib.I.Sc. First Semester Examination  
Information & Communication Technology (Theory)  
MLI-105**

**Full Marks-40**

**Time-2 Hours**

**The figures in the right margin indicate marks.**

**Answer any two questions of the following:**

1. Differentiate between information technology and information system. What is an information service? What do you mean by IT ecosystem? Briefly explain why text retrieval is difficult? Differentiate between 'text retrieval' and 'database retrieval'. 5+3+2 +5+5
2. State different ways to adopt a suitable text retrieval engine. In this context explain briefly the features of any one popular text retrieval engine. What is instance and Schema of a database? Explain briefly any one data model. 4+6+3+7
3. Briefly point out the advantages of Database System? Diagrammatically explain the three schema architecture of a database. Define various components with suitable block diagram and example of E-R Model. 3+7+10
4. State the basic principles of Content Design. Explain the features of any one popular Content Management System. How peer review process conducts in Gold Path Open Access publishing? Discuss the reasons behind the 'Serials' crisis. 3+5+7+5