

**MASTER OF LIBRARY AND  
INFORMATION SCIENCE (Revised)**

**Term-End Examination**

**June, 2007**

**MLII-103 : FUNDAMENTALS OF  
INFORMATION COMMUNICATION  
TECHNOLOGIES**

**Important Instruction :** *This question paper should be attempted only by those candidates who have registered for MLIS from July, 2005 and onwards.*

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** *Attempt **all** questions. All questions carry equal marks. Illustrate your answers with suitable examples and diagrams, wherever necessary. Write relevant Q. No. before writing the answer.*

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**1.1** Show your understanding on computer architecture and computer organisation. Describe the functions of main components of a computer system. Illustrate with diagrams.

**OR**

**1.2** What is meant by computer memory ? Explain the main characteristics of computer memory system.

**2.1** What do you understand by the terms 'algorithm' and 'flow chart' in computer programming ? Describe various flow chart symbols and their functions.

**OR**

**2.2** Describe different categories of programming languages and their features.

**3.1** What do you understand by switching in telecommunication network ? Describe major forms of switching techniques.

**OR**

**3.2** Describe ISO – OSI Reference Model with the help of a diagram.

**4.1** What are e-journals ? Discuss their advantages and disadvantages.

**OR**

**4.2** Discuss the objectives and characteristics of library and information networks.

**5.0** Write short notes on any **three** of the following (in about 300 words each) :

- (a) Optical storage technology
- (b) Systems software — its types
- (c) Mobile networks
- (d) Multimedia
- (e) Data networks in India