

This question paper contains 3 printed pages.

1589

Your Roll No.

MLIS / I Sem.

J

Paper M-104— INFORMATION AND COMMUNICATION TECHNOLOGY APPLICATION IN LIS

(THEORY)

Time : 3 hours

Maximum Marks : 70

*(Write your Roll No. on the top immediately
on receipt of this question paper.)*

Attempt all questions.

1. Either, 1-1. What is an ISO/OSI Reference Model? Describe with diagrams the role of application layers and data flow layers.

Or, 1-2. What do you understand by the concept Web 2.0 ? Explain how Web 2.0 helps in converting traditional library services into web-based library services. 12½

2. Either, 2-1. Define 'Open Source Software'. What contributions can open source softwares make to bridge the digital divide between developed and developing countries?

Or, 2-2. What is LAN? Explain in detail different network topologies. 12½

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3. **Either, 3-1.** What is RFID technology? Explain the RFID process flow with the help of a diagram and describe how RFID technology is better than barcode technology in a library.

Or, 3-2. What do you understand by the term RSS Feeds? How does an RSS feed differ from a website? Explain the different applications of RSS feeds in a library. 12½

4. **Either, 4-1.** What is an Integrated Services Digital Network? Discuss about wireless networking in the library.

Or, 4-2. Define the concept of content management and state how it differs from concepts of information and knowledge management. What kinds of features would you look for when choosing the content management software for a university library? 12½

5. Write notes on any **four** of the following:

- (i) Subject directories
- (ii) Wiki
- (iii) Greenstone Digital Library
- (iv) Web OPAC

(v) TCP/IP

(vi) Functional Requirements for Bibliographic
Records (FRBR). $4 \times 5 = 20$