

MLIS-403 Information Technology-II

Maximum Marks: 100

Maximum Allotted Hours: 100 (Classroom Teaching: 68 + Assignment: 19 + Seminar: 3)

Each Unit Allotted Hours: 20 (Classroom Teaching: 13 + Assignment: 4 + Seminar: 3)

Unit-1

- Information Technology: Definition, Need, Purpose, Function and Application in LICs.
- Library Software Packages: LIBSYS, SOUL
- Digital Library Softwares: D-Space, Greenstone.

Unit-2

- Internet: Concept, Features, Services and Tools
- Connectivity: Dialup, Leased lines, ISDN, Digital Subscriber Lines
- Intranet & Extranet : Concept and Features
- E-Mail
- Protocols- FTP, HTTP, POP3, SMTP

Unit-3

- Web Browser: Netscape Navigator, Internet Explorer
- Web Servers: Apache, IIS, PWS
- Web tools: Directories, Search Engines
- Internet Security
- Teleconferencing, Tele-facsimile, Teletex, Videotext

Unit-4

- Digital Libraries :Genesis, Definition, Objectives, Scope of Digital Libraries
- Formats: Image, Audio, Video
- Storage media: CD-ROM, DVD, Hard Disk
- Software and Hardware for Digital libraries: OCR, Adobe Distiller
- Input Capture Devices: Scanners, Digital Camera
- Planning Procedure and Implementation of Digital Libraries

Unit-5

- Data Warehousing
- Data Mining
- Standards and Technology:
Metadata,
DOI
RFID
OAI-PMH
- Virtual and Electronic Libraries: Concept, Definition, Objective, Functions and Scope

Recommended Books

1. Bansal (S.K.). Internet technologies. 2001. APH Publishing Corporation. New Delhi.
2. Chopra (H.S.). Library Information Technology in Modern Era: Libraries and Librarian in New Millennium. 1999. Common wealth. New Delhi.
3. Chowdhury (GG). Introduction to modern information retrieval.1999.ALA.London
4. Contractor (Meher). Library Science and Information Technology. 1999. Anmol
5. Cope (Bill) and Phillips (Angus). The future of the Book in the Digital Age. 2006. Chandos publishing, Oxford
6. Dahl (Mark), Banerjee (Kyle) and Michael (Spalti). Digital Libraries: integration content and system. 2006. Chandos publishing, Oxford
7. Dhawan (K.S.). Multimedia Library. 1997. Commonwealth Pub. New Delhi.
8. Gilchrist (Alan) and Mahan (Barry). Information Architecture: Designing information environments for purpose.2004.Facet Publishing. London
9. Goel (S.K.). Internet Management.1999. Dominant Publishers and Distributors. Delhi
10. Gopal (Krishna). Intellectual Freedom in Digital Libraries. 2000. Authors Press. New Delhi .
11. Han (Jaiwei) and Kanber (Micheline).Data mining: concept and technology. 2003.Morgan.San Francisco
12. Handa, (sunny). Fundamentals of information Technology. 2004. Lexis Nexis, Canada
13. Haynes (David).Metadata for. Info. Management & Retrieval.2004.facet publishing. London
14. Iyer (V.k.). Library Information Technology: Tools of Tomorrow. 1999. Rajat Publications. Delhi.McMenemy (David) and Poulter (Alan). Delivering Digital Services: a hand book for public libraries and learning centers. 2005. Facet publishing. London
15. Melling(Maxine).Supporting e-learning: a guide for library and information mnagers.2005.facet publishing .London
16. Muller (Jeanne Froidevaux). A librarian's Guide to the internet: searching and evaluating information. 2003. Chandos publishing. Oxford
17. Nair (R. Raman). Internet: for Information Services. 2002. Ess Ess Pub. New Delhi

18. Nair (R. Raman). Accessing Information Through Internet. 2002. Ess Ess Publications. New Delhi.
19. Ranalingam, ed. Lib. and Info. Technology. 2000. Kalpaz Pub. Delhi .
20. Rao (N.V.Jagga). Books to Bytes: Library Information Technology in the New Millennium. 2000. Ess Ess Publications. New Delhi.
21. Panigrahi (R.M.). Impact of Information Technology on Libraries . 2001. ESS ESS Publication. New Delhi.
22. Panigrahi (R. M.). Library Information Technology : Decision- Maker's Manual. 2000. Ess Ess Publications . New Delhi.
23. Poyner (Ann). Enabling End users: information skills training. 2005.Chandos publishing, Oxford
24. Thomas (Alan R.), ed. Internet Searching and Indexing : The Subject Approach. 2000. Vol-2. Haworph Information Press. Newyork.
- 25.** Tiwari (Aravind). Evaluation of Electronic Libraries. 2002. APH Publishing Corporation. New Delhi.