**PANJAB UNIVER**
(Estd. under the Panjab Uni

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# ADVANCE
# AUTOMA

## EXAMINAT

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# 1st Semester

**Paper Code: LAN-01**

**Paper Title: Basics of Computers and Network Technology**

**Instructions for the Paper-Setters / Examiners:**

The Paper carries 80 marks. Duration of the paper is 3 hours. There should be 9 ques.65326( )-648i an all, out of which the candidate be asked to attemp.65326( )-6 5 ques.65326( )-648is,5e2.6( )-6(0)-6 8ing each u-4.60Td 6(48)10.86
a-swered in about 25-30 words each.4.60Td 6( )-163.044(T)-8.56

**Software**

Soft8ware: Ty4.60Td ( pe)-1.65193(s)
Aication Soft8ware: Using Windows,

**Objectives:**
To provide information about latest concepts of Library Automation Software.

**Unit -1**

**Library automation**

- Library Automation: Need, purpose, objectives and its area of application.
- Library Automation Process: Planning, implementation and

**Further Readings:**


1. Singh, P. K. (2005). *Li r ry uto tion*. New Delhi: Shree.

2. Theresa, T. B., Ratna, K. C., & Rai, B. A. (2011). *Infor tion techno ogy nd i r ry uto tion* New Delhi: Commonwealth Publisher.


**Paper Code: LAN-03**

**Paper Title: Computer Practical-1**

**Instructions for the Paper-Setters / Examiners**

The Paper carries 80 marks. Duration of the paper is 3 hours. There will be 2 parts, out of which Part- I is compulsory based on **viva-voce** of 20 marks. Part - II contains 4 units. Each unit shall have 2 questions and the candidates shall be given internal choice i.e., the candidate shall attempt one question from each unit. The questions should be evenly distributed within the units. In no case a question should be asked from outside the syllabus. The question paper should be strictly according to the instructions mentioned above.

**Objectives:**

To develop computer skills and professional competencies to solve problems of libraries and information centers through practical knowledge of computers.

**Unit-I**

**MS- Windows & MS- Office**

- MS WINDOWS: File management.
- MS-OFFICE: MS WORD, MS EXCEL and MS POWERPOINT**.** MS ACCESS.

**Unit-II**

**Library Automation**

- Library Automation: Installation & Working with BiblioteQ, KOHA and eGranthalaya
- Dewey Cutter Program (OCLC).

**Essential Readings**

1.

## 2nd Semester

**Paper Code: LAN-04**

**Paper Title: Web based resources**

**Instructions for the Paper-Setters / Examiners:**

The Paper carries 80 marks. Duration of the paper is 3 hours. There should be 9 questions in all, out of which the candidate be asked to attempt 5 questions, selecting one question from each unit. The first question shall be short answer type, containing 15 short questions spread over the whole syllabus, to be answered in about 25-30 words each. The candidate is required to attempt any 10 short answer type questions. It shall carry 20 marks @ 2 marks for each short question and shall be compulsory question. Rest of the paper shall contain 4 units. Each unit shall have 2 questions and the candidates shall be given internal choice i.e., the candidate shall attempt one question from each unit. The questions should be evenly distributed within the units. In no case a question should be asked from outside the syllabus. The question paper should be strictly according to the instructions mentioned above.

**Objectives:**

To provide basic knowledge of web-based resources.

### Unit-I

**Web based resources**

- Concept, meaning and types (Portals, gateways, databases, subject guides, aggregators)
- Criteria for evaluation of web-based resources

### Unit-II

**Discipline based web resources**

- Science & Technology
- Social Sciences
- Arts and Humanities
- Health Science

### Unit-III

**Databases and Repositories**

- Databases: Web of Science, Scopus, ERIC and LISTA
- Repositories: Institutional, Subject, ETD and Internet

### Unit-IV

**Academic Networking Platforms**

- Research Gate
- Google Scholar
- Academia.edu
- Researcher App

**Essential Readings**


1. Botyriute, Kristina (2018). Access to Online Resources: A Guide for the Modern Librarian. https://link.springer.com/content/pdf/10.1007/978-3-319-73990-8.pdf
2. Callicott, B. B., Scherer, D., &Wesolek, A. (Eds.). (2016). *M king institution repositories ork*. Purdue University Press.

**Unit-II**

**Digital Library Software and Metadata**

- Metadata: Concept, types, Dublin Core Metadata Element Sets (DCMES). Digital Library Architecture
- Digital Library Software: Basic features of DSpace and Greenstone Digital Library (GSDL) Features and significance of Traditional Knowledge Digital Library (TKDL) and NDLI.

**Unit-III**

**Content Analysis and Organisation:**

- Content Analysis: Concept, uses and process.
- Qualitative & Quantitative aspects of Content Analysis.
- Techniques of Content Organisation: Classification and cataloguing of web documents, Subject Headings, Z39.50, SRU/SRW, Ontology, Folksonomy and DOI

**Unit-IV**

**Content Management Systems (CMS)**

- Content Management Systems:Concepts, features, types advantages.
- Features of Joomla, Drupal and Wordpress.
- Document Management System: Concepts and components.

**Essential Readings**


1. Balasubramanian, P. (2013). *E e rning for i r ry profession s*. New Delhi: Regal.
2. Dahl, M., Banerjee, K., &Spalti, M. (2006). *Digit i r ries Integr ting content nd syste s*. Oxford: Chandos.
3. Pathak, M. (2014). *An introduction to inte ectu property rights*. New Delhi: New India Publishing Agency.
4. Verma, K. (2007). *Digit i r ry preserv tion str tegies*. New Delhi: Akansha.


**Further Readings**


1. Arms, W. Y. (2005). *Digit i r ries*. New Delhi: Ane Books.
2. Hackos, J. (2002). *Content n ge ent for dyn ic de ivery*. New York: John Wiley.
3. Haynes, D. (2004). *Met d t for infor tion n ge ent nd retriev* . London: Facet Pub.


**Paper Code: LAN-06**

**Paper Title: Computer Practical-2**

**Instructions for the Paper-Setters / Examiners**

The Paper carries 80 marks. Duration of the paper is 3 hours. There will be 2 parts, out of which Part- I is

unit. The questions should be evenly distributed within the units. In no case a question should be asked from outside the syllabus. The question paper should be strictly according to the instructions mentioned above.

**Objectives:**

To develop computer skills and professional competencies to solve problems of libraries and information centers through practical knowledge of computers.

**Unit-I**