

**PG DIPLOMA IN LIBRARY AUTOMATION
AND NET WORKING
EXAMINATION – DECEMBER 2019.**

ICT FUNDAMENTALS

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Briefly explain the components of ICT.
2. Enumerate different types of computer.
3. Describe the importance of operating system.
4. Explain the salient features of internet?
5. Explain open source software with example.
6. Difference between system software and application software.
7. Explain the features of UNIX system.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain the concept of information technology. Discuss the relevance of IT in libraries.
9. Write an essay on hardware and software.
10. Discuss the importance of ICT in today's libraries.
11. Write a note on:
 - (a) INTERNET
 - (b) Web browser
 - (c) DOS
 - (d) Unix
 - (e) Search engine.
12. Explain the types of computer network
13. Write about the Generations of computer and their salient features.
14. Explain the role of Internet in rendering services in a university library.

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LIBRARY AUTOMATION

Time : 3 hours

Maximum marks : 75

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions

1. Write about the Characteristics of automation libraries.
2. Examine the essential of library automation.
3. Write a short note on serial control.
4. Examine the role of retrospective conversion.
5. Explain the following terms:
 - (i) Cataloguing
 - (ii) Circulation
6. Discuss the salient features of reference services.
7. Write a note on document delivery services.

SECTION B — (5 × 10 = 50 marks)

Answer any FIVE questions

8. Enumerate the Historical perspective of Library automation.
 9. Write about the different approaches to library automation.
 10. Explain in detail on automation of Acquisition section.
 11. What are the steps involved in the implementation and evaluation of automation
 12. Discuss the role of Alerting Services.
 13. Describe the various types of Bibliographical services in Library information services.
 14. Briefly explain file formats in automation process.
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INFORMATION SYSTEM MANAGEMENT

Time : 3 hours

Maximum marks : 75

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What are the components of information system?
2. Explain the DBMS.
3. Discuss the purpose of information Retrieval system.
4. Explain the Data Models.
5. What are the types of Database systems?
6. Describe about the Decision support Systems.
7. Explain the Query Formulation.

SECTION B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Discuss the criteria involved Information Retrieval System.
9. Describe the necessity of information system in the management of Organization.
10. What are the steps involved in the system design and implementation of knowledge based information system?
11. Give examples of how information system the five functions of management.
12. Using examples of compare and contrast expert system and DBMS.
13. Distinguish between the data structures and file organization in detail.
14. Give the database architecture and explain its components.

PG-800

LAN-04

**P.G. DIPLOMA EXAMINATION –
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Library Automation and Networking

NETWORKING AND INTERNET RESOURCES

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is Network Software?
2. Define Network.
3. Explain Digital Preservation.
4. Discuss about Network Management Tool.
5. Write a short note on Network Based Information Services.
6. What are all the types of resources available in Social Science?
7. Briefly discuss about Digital Library.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. What is Data Networks? Explain.
 9. Discuss about Network and its Types.
 10. Explain in detail about Information Network Management.
 11. List out the types of Resources Available in Internet.
 12. Describe Resource Sharing Technology.
 13. What are all the types of Resources Available in Science and Technology?
 14. Define Internet Information Resources and Evaluation.
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PG-801

LAN-05

**P.G. DIPLOMA EXAMINATION –
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Library Automation and Networking

CONTENT DEVELOPMENT

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is Qualitative Aspects?
2. Write a short note on Knowledge Management.
3. Explain Organizational Memory.
4. Define Content Organization.
5. Explain XML with example.
6. Briefly explain about Legal and Ethical Issues.
7. List out the Norms and Guidelines for Content Development.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Discuss in detail about Generation of Information Services and Product.
 9. Describe Content Organization.
 10. List out the Guidelines of the Content Organization.
 11. Explain Content Development in detail.
 12. Discuss Web Based Content Development.
 13. Write a detail note on HTML with example.
 14. Describe Content Setting.
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PG-802

LAN-06

**P.G. DIPLOMA IN LIBRARY AUTOMATION
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PROGRAMMING

Time : 3 hours

Maximum marks : 75

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Write a short note on Programming Languages.
2. Define System Analysis.
3. Explain Arrays.
4. What is Classes in C++?
5. Define Data types.
6. Explain Accessing Database in Visual Basic.
7. Briefly discuss about Variable in Visual Basic.

SECTION B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write a detail note about Exception Handling.
 9. What are Classes and Objects in Java explain in detail.
 10. Describe Operator Overloading.
 11. Describe Algorithm and Flow charting.
 12. How to build a project and customizing forms?
 13. Explain Activex and Windows API in detail.
 14. Discuss in detail about streams and templates in C++.
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