P.G. DIPLOMA EXAMINATION – DECEMBER, 2023.

Library Automation and Networking

ICT FUNDAMENTALS

Time : 3 hours   Maximum marks : 70

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions out of Eight
questions in 300 words

All questions carry equal marks

1. Discuss any two generations of computers.

2. Describe cache memory.

3. Define multitasking.

4. Name various kinds of utilities.

5. Distinguish between licensed software and free domain software.

6. State two positive and two negative impacts of computers on society.

7. What are the two types of data NII? Explain.

8. Write a short note on the impact of computers in various fields.

PART B — (3 × 15 = 45 marks)

Answer any THREE questions out of Five
questions in 1000 words

All questions carry equal marks

9. Briefly describe the working of CPU.

10. Briefly explain integrated library automation system.

11. Write a brief note on Linux.

12. Distinguish between free domain software and licensed software.

13. List the various kinds of software based on type of applications. Explain each of them.

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P.G. DIPLOMA EXAMINATION — DECEMBER, 2023.

Library Automation and Networking

LIBRARY AUTOMATION

Time : 3 hours   Maximum marks : 70

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions out of Eight questions in 300 words.

All questions carry equal marks.

1.   What does UNESCO/ICSO stands for?

2.   What is the time scale for system development?

3.   What is a feasibility study?

4.   What is the need for retro-conversion?

5.   Briefly describe the term 'Serial control system'.

6.   Define the term 'MARC'.

7. How can we increase the efficiency of DDS?

8. What is the need and purpose of reference service?

PART B — (3 × 15 = 45 marks)

Answer any THREE questions out of Five questions in 1000 words.

All questions carry equal marks.

9. What are the advantages and disadvantages of library automation? Also, discuss the barriers in library automation.

10. Discuss the need for budgeting in libraries in detail.

11. What do you mean SOUL? Explain the functions of this software.

12. Discuss the functions of automated circulation system.

13. Discuss the types of alert services with the help of suitable examples.

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P.G. DIPLOMA EXAMINATION — DECEMBER, 2023.

Library Automation And Networking

NETWORKING AND INTERNET RESOURCES

Time : 3 hours   Maximum marks : 70

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions out of Eight questions in 300 words.

All questions carry equal marks.

1.   Explain the importance of Network Technology.

2.   Write short notes on LAN, MAN and WAN.

3.   Define the areas of Resource Sharing.

4.   State the objectives & Services of the following:

   (a)   DELNET

   (b)   CALIBNET

   (c)   ADINET

5. Explain Content Management and Hosting options for Electronics.

6. Write a short note on Digital Libraries.

7. Write a short note on Subject directories.

8. List the various types of Networks and their functions.

PART B — (3 × 15 = 45 marks)

Answer any THREE questions out of Five questions in 1000 words.

All questions carry equal marks.

9. Brief the history of Library and Information Networks.

10. Assess the major elements of the Management methods. Also, describe the common network protocols of a network Architecture?

11. Explain Linking, Cross-linking and Interlinking in digital libraries.

12. Discuss the important metaresources and explain their functions.

13. Describe the search tools and facilities for quality information retrieval.

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P.G. DIPLOMA EXAMINATION — DECEMBER, 2023.

Library Automation and Networking

CONTENT DEVELOPMENT

Time : 3 hours   Maximum marks : 70

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions out of Eight questions in 300 words.

All questions carry equal marks.

1.   Discuss the basic concept of Content.

2.   What are the types of Content?

3.   Explain the techniques used for Content Analysis?

4.   What are the advantages and disadvantages of Content Analysis?

5.   Assess the role of Content developers.

6.   What are the syntax rules for XML declaration?

7.   Define Image Map. Name the type of Image Map.

8.   What is a Trademark? How it is different from geographical indications.

PART B — (3 × 15 = 45 marks)

Answer any THREE questions out of Five questions in 1000 words.

All questions carry equal marks.

9.   Discuss the process of Knowledge Management.

10. Explain the application of Quantitative content analysis.

11. Describe how content can be analysed Quantitatively and Qualitatively.

12. Explain HTML tables in detail.

13. Describe the guidelines for effective web content development.

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P.G. DIPLOMA EXAMINATION – DECEMBER, 2023.

Library Automation and Networking

PROGRAMMING

Time : 3 hours   Maximum marks : 70

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions out of Eight questions in 300 words

All questions carry equal marks

1. List the characteristics of an Algorithm.

2. Define Interface.

3. Differentiate between constructors and destructors.

4. Explain the types of ActiveX Components.

5. What is an event? Give two examples of an event.

6. What are the advantages and disadvantages of flowcharts?

7.   Name some common exceptions found in Java.

8.   Define the following IDE features:

    (a)   Tool Box

    (b)   Form

    (c)   Tool bar

    (d)   Explorer Window

        PART B — (3 × 15 = 45 marks)

    Answer any THREE questions out of Five
            questions in 1000 words

        All questions carry equal marks

9.   Discuss the evolution of Java. Explain its features
     in detail.

10. Explain the data type? Discuss the various types
     of data types.

11. Explain three types of errors with the help of
     examples.

12. Learn new operators of C++, Operators precedence
     and types of expression.

13. Classify the control tools and explain how to work
     with control.

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