ANNAMALAI UNIVERSITY

DIRECTORATE OF DISTANCE EDUCATION

PGDLAN PROGRAMME

POST GRADUATE DIPLOMA IN
LIBRARY AUTOMATION AND NETWORKING

RESPONSE SHEET QUESTIONS

(2021 – 2022)

This booklet contains Response Sheet Questions for all the subjects.

Students are instructed to return the Response Sheet answer scripts at the earliest.

Last date for submission : **15-05-2022**

Last date for submission with late fee *Rs. 300/–* : **30-05-2022**

Dear Student,

I am glad to contact you once again through this communication. As you know, you have to ***answer any ten questions for each subject***. The Response Sheets are intended to study the course materials thoroughly. Yet, as an incentive 20 marks are prescribed towards internal assessment for each subject. The Response Sheets should be submitted before ***15-05-2022***. You are required to follow the instructions given below in order to avoid problem in future.

1. Response Sheets should be written only in the own handwriting of the student concerned and it should not be type-written. Response Sheets should reveal the knowledge acquired and understood by the student.

2. All answers scripts (with enrolment number marked on the top right hand corner on all pages) should be put in an envelope, with superscription, **"Response Sheets, PGDLAN"** and sent to **The Director, D.D.E., Annamalai University, Annamalai Nagar 608 002**.

3. The Response Sheets received by the Directorate after ***15-5-2022*** but before ***30-05-2022*** should be accompanied with a late fee for ***Rs.300/-*** by **Demand Draft drawn** in favour of **The Director, Directorate of Distance Education, Annamalai University**, **Payable at Annamalai Nagar or Chidambaram**.

4. The Response Sheets **received after *30-05-2022* will not be taken up for evaluation.**

DIRECTOR

Course – I: Fundamentals of Library Automation

Answer any *Ten* of the following

(10 x 2 = 20)

1. Define Library Automation. Explain the need and functions of Library Automation.

2. Discuss in detail the modalities in an automated circulation system of a University Library.

3. Examine the various criterias to be considered for evaluation of software to automate the Library effectively and efficiently.

4. Describe the various types of computers.

5. Discuss in detail the configurations of optical storage system used in libraries and information centers.

6. Write an essay on Integrated Services Digital Network (ISDN).

7. Explain how to work on Windows 98 using various functions.

8. Describe the file system, commands, shells and utilities of Unix Operating System.

9. How the Ms-Power Point is used to generate the slides for presentation in different styles.

10. Define Bibliography. Write about the important sources for online bibliography search in Science and Technology.

11. What do you mean by automatic indexing? Describe the various types of automatic indexing.

12. Explain the different methods of recursive sequence data structure.

Course - II: Programming Language

Answer any *Ten* of the following

(10 x 2 = 20)

1. Explain the concept, features and applicability of General System theory of Libraries.
2. Define System Analysis. Explain the need for system analysis and methodology involved.
3. Discuss in detail the steps involved in System Development Strategies.
4. What is Programming Language? Examine in detail the five levels of such language.
5. Define Algorithms. Enumerate the various characteristics of Efficient Algorithms.
6. Explain the various types of flow charts used in the information system.
7. Compare the Functional Programming Language with Imperative Programming.
8. Describe the characteristics and benefits of Object Oriented Programming.
9. Explain the different types of procedures and control structures available in Visual Basic.
10. Differentiate C++ from Java. Examine the various JAVA programmes used for internet programming.
11. Explain in detail the features and fundamentals of C++.
12. Explain how of statement in C++ directs a program to execute a statement with suitable example.

Course – III: Networking and Database Management

Answer any *Ten* of the following

(10 x 2 = 20)

1. Define Library Network. Explain in detail the various types of Network.
2. Describe the various components of Network.
3. Write an essay on OSI model.
4. How the Library network based information services meet the requirements of users?
5. Examine the importance of consortia in Library environment. Bring out the barriers encountered in resource sharing.
6. Examine the need for network based information services in IT environment.
7. Discuss in detail the origin, objectives and services of INFLIBNET.
8. What is database? Describe the objectives, characteristics and advantages of Database approach.
9. Describe the structure of different database models.
10. Explain how CDS / ISIS is used in designing a bibliographical database.
11. What is SQF? How WINISIS is working to search and retrieve information.
12. Define SQL. Examine the various features of SQL.

Course – IV: Web Technology

Answer any *Ten* of the following

(10 x 2 = 20)

1. What is internet? Examine the various internet communication facilities.
2. Write a brief note on:

    a. WAIS   b. WWW   c. TCP/IP
3. Explain the need and criteria for the evaluation of NET Information Sources.
4. Write an essay on WEB PORTALS.
5. Name the types of Web Resources. Discuss in detail the Web Resources available in Science and Technology.
6. Discuss in detail the types of browsers and their description.
7. Define Search Engine. Highlight the features of different Search Engines.
8. What are the factors to be considered for effective searching of e-resources?
9. Explain the e-resources available on-date in the field of Library and Information Science.
10. Examine the criteria to be adopted for evaluating Websites.
11. Describe the objectives and functions of digital libraries. Bring out their merits and demerits.
12. Discuss the points to be considered in designing and developing a virtual library.

Course – V: Content Analysis and Management

Answer any *Ten* of the following

(10 x 2 = 20)

1. What is Content Analysis? Explain the uses of Content Analysis with merits and demerits.

2. Examine the steps involved in conducting conceptual analysis.

3. Discuss the need and criteria for content development.

4. How will you create an XML File?

5. Define Knowledge Management. Describe the different modules of Knowledge Management.

6. What are the types of knowledge? Explain the principles of Knowledge Management.

7. Describe the technologies that enable Knowledge Management.

8. Write brief note on

   a. ISO 2709   b. CCF   c. MARC 21

9. What do you mean by metadata? Explain the purposes and functions of metadata.

10. Write an essay on Dublincore.

11. What is IPR? List the various international and regional agreements / treatises on IPR.

12. Define cyber crime. Discuss in detail the various categories of cyber crimes.

ఆఖఆఖఆఖ