ଓଡ଼ିଶା ରାଜ୍ୟ ମୁକ୍ତ ବିଶ୍ୱବିଦ୍ୟାଳୟ, ସମ୍ବଲପୁର, ଓଡ଼ିଶା
Odisha State Open University, Sambalpur, Odisha
Established by an Act of Government of Odisha.

ASSIGNMENTS

Post Graduate Certificate in Digital Library (PGCDL)

SESSION: 2020-21

SUBMISSION DATES FOR ASSIGNMENTS

S.N.	Course Code	Name of the Course	Last date of submission
1	CDL-01	Digital Library- Overview, Components of Digital Library	
2	CDL-02	Digitisation, Open Access and Digital Rights/Access Management	28th March, 2021 (Sunday)
3	CDL-03	Digital Library: Services, Preservation, Standards, IPR, and Legal Issues	

Please read the instructions carefully before attempting assignment questions.

INSTRUCTIONS FOR DOING ASSIGNMENTS

Dear Learner,

You are required to submit your assignment response within the stipulated time in order to become eligible to appear in the term-end examination. The assignments will be evaluated by the counsellors at your Study Centre. Please submit your assignment response to the Coordinator of your Study Centre. For a 4 credit course, there is one Assignment and for 6/8 credit course, there must be minimum 02(two) Assignment.

Purpose of Assignments
1. Assignments are part of the continuous evaluation process in Open and Distance Learning (ODL) system. Due weightage is given to the marks/grades you obtain in assignments. This will help you for better performance in the term-end examination. If you secure good grades/marks in assignments, your overall performance will improve.
2. Assignments are also a part of the teaching-learning process in the ODL system. Your assignment, after evaluation, will be returned back to you with specific and general comments by the evaluator. This will help you to know your strength as well as your weakness. Thus, it will establish two-way communication between learner and evaluator.

How to write Assignments
Please read the instructions for writing the response of an assignment before you start writing your answer.

1. Write your name, program code, the course title, enrolment no. and study centre name with code in the top sheet of the assignment answer booklet. The format is given below.

   PROGRAMME TITLE: _____
   ENROLMENT NO: _____ NAME: _____
   COURSE CODE: _____   COURSE TITLE: _____
   ASSIGNMENT CODE: _____   STUDY CENTRE: _____
   DATE: _____   SIGNATURE:_____

2. Before attempting the assignments, please go through the course materials carefully, understand the same and write answers in your own language and style.
3. Write the answers in your own handwriting. Give sufficient margin in the left side of each page so that the evaluator will give comments on each paragraph/page.
4. Your handwriting should be neat and readable.

Weightage for each assignments:

1. Each Theory Assignment will carry 25% weightage and term-end examination will carry 75% weightage.
2. Each assignment will be of 100 marks. But it will carry 25% weightage.
3. You have to score minimum passing marks i.e.40% or P (Pass) Grade in 10-point scale for each assignment. In case you do not submit the assignment or get fail mark in the assignment you have to re-submit in the next year.

CDL-01: Digital Library- Overview, Components of Digital Library

GROUP-A
Multiple Choice- Type Questions
Answer all Questions
Marks: 10 (1x10)

		Mark
1.	Why were secondary information systems such as MEDLINE, INSPEC, CAS designed?	1
2	What does the term digital library refer to?	1
3	What does the primary purpose of a Library OPAC?	1
4	What does the community reflect in a digital library?	1
5	Who maintains the Indian mirror site of ArXiv?	1
6	What is magnetic storage media, optical storage media, metal-oxide semiconductors or flash memory devices popularly known?	1
7	What do informal FTP servers run by academic Departments refer to?	1
8	When were Project RoMEO and Project SHERPA launched?	1
9	Which organization was formed with the merger of CSNET and BITNET?	1
10	What type of component the Application Programming Interface (API) is?	1

GROUP-B
SHORT-TYPE QUESTIONS (50 Words)
Answer 4 (Four questions)
Marks: 20 (5x4)

		Mark
1	What are the three technologies developed by Berners Lee?	4
2	What are the differences between born-digital and conversion digital?	4
3	How does a simple search mode function?	4
4	Explain the different components of Server-side Software.	4
5	What is the purpose of an institutional repository?	4
6	What is the function of interoperability in the digital library?	4

GROUP-C
MEDIUM-TYPE QUESTIONS (200 Words)
Answer 4 (Four questions)
Marks: 40 (10x4)

		Mark
1	Discuss the information retrieval techniques in a digital library.	10
2	What is the purpose of DRM technology?	10
3	What is web-feeds?	10
4	Discuss the development of the Digital Library Collection.	10
5	What are the objectives of digital libraries in the context of planning and implementation?	10
6	Explain the need for e-resources in distance learning.	10

GROUP-D
LONG ESSAY-TYPE QUESTIONS (250 Words)
Answer 2 (Two questions)
Marks: 30 (15x2)

		Mark
1	What are the different technologies associated with Access Control and Access Tracking in Digital Library?	15
2	Explain about Shodhganga.	15
3	What is fair use in copyright?	15
4	What are Digital Rights Management and access control in Digital Library?	15

CDL-02: Digitisation, Open Access and Digital Rights/Access Management

	GROUP-A Multiple Choice- Type Questions Answer all Questions Marks: 10 (1x10)	Mark
1.	In which form the digitally scanned images are stored in a file?	1
2	Which type of scanners are generally used to take the images in Geographical Information System?	1
3	What is the simplest and least effective method for providing access each item to its respective object / image?	1
4	How many vertical layers are there in the data manipulation services of a semantic digital library?	1
5	Who defined that a digital library is not just one entity, but multiple sources are seamlessly integrated?	1
6	What is open courseware?	1
7	Which module provides functionalities for right validation?	1
8	What are the types of passwords that allow publishers or producers of information to control access to their electronic resources?	1
9	Which type of component the Application Programming Interface (API) is?	1
10	What is known as the method of preservation that can preserve the functionality and the 'look and feel' of digital objects?	1

	GROUP-B SHORT-TYPE QUESTIONS (50 Words) Answer 4 (Four questions) Marks: 20 (5x4)	Mark
1	What is the purpose of indexing in the process of digitization?	4
2	How does a scanner work?	4
3	How does grid infrastructure support digital library?	4
4	Why was Open Access movement launched?	4
5	What is the intention of the first-generation DRM software?	4
6	Discuss the legal factors of digital preservation.	4

	GROUP-C MEDIUM-TYPE QUESTIONS (200 Words) Answer 4 (Four questions) Marks: 40 (10x4)	Mark
1	What is the organisation procedure of digital images?	10
2	Explain various Security and Policy Assurance Services associated with semantic digital library.	10
3	What are the various characteristics associated with open access?	10
4	Differentiate between the fixed password and dynamic password.	10
5	What are the objectives of Digital Preservation Initiatives in India?	10
6	What is Data Abstraction and Structuring in investment strategies?	10

	GROUP-D LONG ESSAY-TYPE QUESTIONS (250 Words) Answer 2 (Two questions) Marks: 30 (15x2)	Mark
1	Explain the various Copyright and Intellectual Property Rights (IPR) Issues in digital library.	15
2	What are the differences between core entities model and content model in DRM?	15
3	Explain briefly the purpose of Preservation Metadata: Implementation Strategies (PREMIS)?	15
4	How does marketing function in library?	15

CDL-03: Digital Library: Services, Preservation, Standards, IPR, and Legal Issues

	GROUP-A **Multiple Choice- Type Questions** **Answer all Questions** **Marks: 10 (1x10)**	**Mark**
1	When MARC was developed?	1
2	What are the four essential elements in a digital library?	1
3	How many distinct components are there in an image file format?	1
4	Which is the de facto mark-up language of the World Wide Web?	1
5	Which protocol was originally designed to facilitate searching for very large bibliographic databases like OCLC and the Library of Congress?	1
6	Which file format is the de facto standard for bitonal images?	1
7	Where was the Universal Copyright Convention (UCC) adopted in 1952?	1
8	DSpace supports the Open URL protocol from which server?	1
9	What allows a user to modify an Open Source Software?	1
10	Who constituted the Copyright Enforcement Advisory Council in India to look after copyright issues and its proper implementation?	1
	GROUP-B **SHORT-TYPE QUESTIONS (50 Words)** **Answer 4 (Four questions)** **Marks: 20 (5x4)**	**Mark**
1	Explain the various communication protocols for establishing communication between clients and servers of the digital library.	4
2	What does Text Encoding Initiatives provide?	4
3	What is OAI-PMH?	4
4	Differentiate between Tangible Rights and Intangible Rights.	4
5	Who are the participating institutions in Traditional Knowledge Digital Library (TKDL) initiated by NISCAIR and CSIR?	4
6	What is Database right?	4
	GROUP-C **MEDIUM-TYPE QUESTIONS (200 Words)** **Answer 4 (Four questions)** **Marks: 40 (10x4)**	**Mark**
1	Explain the features of a Digital Library.	10
2	What is the Open Archival Information System?	10
3	What type of digital repository was set-up by INFLIBNET to promote research in India?	10
4	What is the purpose and elements of Dublin core?	10
5	What is a Structured Text Format in information retrieval?	10
6	Discuss the various marketing strategies in the digital library.	10
	GROUP-D **LONG ESSAY-TYPE QUESTIONS (250 Words)** **Answer 2 (Two questions)** **Marks: 30 (15x2)**	**Mark**
1	What are the major steps in the planning of a digital library?	15
2	Explain the needs of standards and protocols in the digital library.	15
3	What is Metadata Object Description Schema?	15
4	Discuss the purpose of the TRIPS Agreement.	15