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# National Testing Agency

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| <b>Question Paper Name :</b> | Digital Library 25th March 2021 Shift 2 |
| <b>Subject Name :</b>        | Digital Library                         |
| <b>Creation Date :</b>       | 2021-03-25 22:30:48                     |
| <b>Duration :</b>            | 180                                     |
| <b>Number of Questions :</b> | 37                                      |
| <b>Total Marks :</b>         | 100                                     |
| <b>Display Marks:</b>        | Yes                                     |

## Digital Library

|                                      |           |
|--------------------------------------|-----------|
| <b>Group Number :</b>                | 1         |
| <b>Group Id :</b>                    | 512452150 |
| <b>Group Maximum Duration :</b>      | 0         |
| <b>Group Minimum Duration :</b>      | 120       |
| <b>Show Attended Group? :</b>        | No        |
| <b>Edit Attended Group? :</b>        | No        |
| <b>Break time :</b>                  | 0         |
| <b>Group Marks :</b>                 | 100       |
| <b>Is this Group for Examiner? :</b> | No        |

## Digital Library-1

|                                |           |
|--------------------------------|-----------|
| <b>Section Id :</b>            | 512452796 |
| <b>Section Number :</b>        | 1         |
| <b>Section type :</b>          | Online    |
| <b>Mandatory or Optional :</b> | Mandatory |
| <b>Number of Questions :</b>   | 20        |

**Number of Questions to be attempted :** 20  
**Section Marks :** 20  
**Mark As Answered Required? :** Yes  
**Sub-Section Number :** 1  
**Sub-Section Id :** 512452832  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 51245213039 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No  
Correct Marks : 1 Wrong Marks : 0**

Digital Library Initiative (DLI) of USA was funded by the:

1. National Science Foundation
2. National Institutes of Health
3. National Research Council
4. National Genome Project

**Options :**

- 51245240225. 1
- 51245240226. 2
- 51245240227. 3
- 51245240228. 4

**Question Number : 2 Question Id : 51245213040 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No  
Correct Marks : 1 Wrong Marks : 0**

Which of the following are the basic components of an expert system?

- A. User interface
- B. Knowledge base
- C. Inference Mechanism
- D. Schema

Choose the **correct** answer from the options given below:

- 1. A and B only
- 2. B, C and D only
- 3. A, C and D only
- 4. A, B and C only

**Options :**

- 51245240229. 1
- 51245240230. 2
- 51245240231. 3
- 51245240232. 4

**Question Number : 3 Question Id : 51245213041 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

The Project "National Digital Library of India" is executed and hosted by?

- 1. IIT Chennai
- 2. IIT Bombay
- 3. IIT Kanpur
- 4. IIT Kharagpur

**Options :**

- 51245240233. 1

51245240234. 2

51245240235. 3

51245240236. 4

**Question Number : 4 Question Id : 51245213042 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

Metadata needed for long-term preservation in Digital Library is categories in which of the following groups?

1. Descriptive, Structural, Formatting and Administrative
2. Descriptive, Structural, Technical and Administrative
3. Descriptive, Filesystem, Technical and Administrative
4. Descriptive, Structural, Technical and Preservation

**Options :**

51245240237. 1

51245240238. 2

51245240239. 3

51245240240. 4

**Question Number : 5 Question Id : 51245213043 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

NISO ODI is a recommended practice provided for ----- service?

1. Document Delivery
2. Digital Repository
3. Data Repository
4. Discovery

**Options :**

51245240241. 1

51245240242. 2

51245240243. 3

51245240244. 4

**Question Number : 6 Question Id : 51245213044 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

Second generation of the Web is called \_\_\_\_\_

1. Emerging Space
2. New Web
3. Web 2.0
4. Second Life

**Options :**

51245240245. 1

51245240246. 2

51245240247. 3

51245240248. 4

**Question Number : 7 Question Id : 51245213045 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

Journal entitled -----, released in 1980, can be considered as the first full-fledged electronic journal published by the New Jersey Institute of Technology and funded by the National Science Foundation.

1. New Horizons in Adult Education
2. Computer Human Factors
3. Mental Workload
4. e-Neurology

**Options :**

51245240249. 1

51245240250. 2

51245240251. 3

51245240252. 4

**Question Number : 8 Question Id : 51245213046 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

Digitization is the process of converting the ----- into digital format using optical scanners and digital cameras

1. content of optical media
2. content of physical media
3. content of magnetic media
4. content of social media

**Options :**

- 51245240253. 1
- 51245240254. 2
- 51245240255. 3
- 51245240256. 4

**Question Number : 9 Question Id : 51245213047 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

TROVE discovery services is the initiative of:

1. Ministry for Education and Research (BMBF), Germany
2. University of Waikato, New Zealand
3. Canadian Institute for Historical Micro Reproductions
4. National Library of Australia (NLA)

**Options :**

- 51245240257. 1
- 51245240258. 2
- 51245240259. 3
- 51245240260. 4

**Question Number : 10 Question Id : 51245213048 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

Universal Copyright Convention (UCC) was developed by \_\_\_\_\_?

1. WIPO
2. UNESCO
3. NATO
4. European Union

**Options :**

- 51245240261. 1
- 51245240262. 2
- 51245240263. 3
- 51245240264. 4

**Question Number : 11 Question Id : 51245213049 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

Three factors that calls for selection of materials for digitization are

1. Copyright, demand and availability
2. Scale of operation, copyright and value
3. Copyright, accessibility and visibility
4. Copyright, value and demand

**Options :**

- 51245240265. 1
- 51245240266. 2
- 51245240267. 3
- 51245240268. 4

**Question Number : 12 Question Id : 51245213050 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

What is Creative Commons?

1. Digital Rights Management System
2. Copyright software
3. New name for Copy Clearance Centre
4. Platform which offers copyright license to share digital works

**Options :**

- 51245240269. 1
- 51245240270. 2
- 51245240271. 3
- 51245240272. 4

**Question Number : 13 Question Id : 51245213051 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

The estimated number of books scanned under Google Books project has grown to \_\_\_\_\_

1. 25 million
2. 20 million
3. 45 million
4. 130 million

**Options :**

- 51245240273. 1
- 51245240274. 2
- 51245240275. 3
- 51245240276. 4

**Question Number : 14 Question Id : 51245213052 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**



Digital objects in a repository require location-independent \_\_\_\_\_ identifiers.

1. Electronic
2. Unique
3. Multiple
4. Mixed

**Options :**

51245240277. 1  
51245240278. 2  
51245240279. 3  
51245240280. 4

**Question Number : 15 Question Id : 51245213053 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

Which of the following protocol/standard is used by Open Athens for security token exchange

1. HTML
2. WSDL
3. SAML
4. SMTP

**Options :**

51245240281. 1  
51245240282. 2  
51245240283. 3  
51245240284. 4

**Question Number : 16 Question Id : 51245213054 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

CeRA project is funded by ?

1. NABARD and Worldbank
2. ICAR and ICMR
3. Worldbank
4. NABARD

**Options :**

- 51245240285. 1
- 51245240286. 2
- 51245240287. 3
- 51245240288. 4

**Question Number : 17 Question Id : 51245213055 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

CRADDL was developed by?

1. Cornell University
2. Carnegie Mellon University
3. Campbell University
4. California State University

**Options :**

- 51245240289. 1
- 51245240290. 2
- 51245240291. 3
- 51245240292. 4

**Question Number : 18 Question Id : 51245213056 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

\_\_\_\_\_ is a model developed to measure service quality of Digital Library by the Association of Research Libraries with funding from the National Science Foundation.

1. SERVQUAL
2. DigiQUAL
3. LibQUAL
4. None of the above

**Options :**

- 51245240293. 1
- 51245240294. 2
- 51245240295. 3
- 51245240296. 4

**Question Number : 19 Question Id : 51245213057 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

HTML was developed in the year \_\_\_\_?

1. 1969
2. 1979
3. 1989
4. 1987

**Options :**

- 51245240297. 1
- 51245240298. 2
- 51245240299. 3
- 51245240300. 4

**Question Number : 20 Question Id : 51245213058 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

Shibboleth is open software used for \_\_\_\_\_.

1. Reference Management
2. Content Management
3. Digital Rights Management
4. Access and Identity Management

**Options :**

- 51245240301. 1
- 51245240302. 2
- 51245240303. 3
- 51245240304. 4

## Digital Library-2

|  |           |
|--|-----------|
| <b>Section Id :</b>                          | 512452797 |
| <b>Section Number :</b>                      | 2         |
| <b>Section type :</b>                        | Offline   |
| <b>Mandatory or Optional :</b>               | Mandatory |
| <b>Number of Questions :</b>                 | 10        |
| <b>Number of Questions to be attempted :</b> | 10        |
| <b>Section Marks :</b>                       | 30        |
| <b>Mark As Answered Required? :</b>          | Yes       |
| <b>Sub-Section Number :</b>                  | 1         |
| <b>Sub-Section Id :</b>                      | 512452833 |
| <b>Question Shuffling Allowed :</b>          | No        |

**Question Number : 21 Question Id : 51245213059 Question Type : SUBJECTIVE**

**Correct Marks : 3**

Mention any three communication protocols and describe them briefly?

**Question Number : 22 Question Id : 51245213060 Question Type : SUBJECTIVE**  
**Correct Marks : 3**

What is Shodhgangotri? How is it different from Shodhganga?

**Question Number : 23 Question Id : 51245213061 Question Type : SUBJECTIVE**  
**Correct Marks : 3**

What is Digital Imaging Technology? What is its application?

**Question Number : 24 Question Id : 51245213062 Question Type : SUBJECTIVE**  
**Correct Marks : 3**

Write the basic characteristics of open access.

**Question Number : 25 Question Id : 51245213063 Question Type : SUBJECTIVE**  
**Correct Marks : 3**

Define Intellectual Property Rights and Digital Rights Management.

**Question Number : 26 Question Id : 51245213064 Question Type : SUBJECTIVE**  
**Correct Marks : 3**

What is Metadata Harvesting Service? List any three services.

**Question Number : 27 Question Id : 51245213065 Question Type : SUBJECTIVE**  
**Correct Marks : 3**

Elaborate on options available for hosting digital library.

**Question Number : 28 Question Id : 51245213066 Question Type : SUBJECTIVE**  
**Correct Marks : 3**

Define DOI and its usage.

**Question Number : 29 Question Id : 51245213067 Question Type : SUBJECTIVE**  
**Correct Marks : 3**

Define Digital Rights Management (DRM) and list out any three technologies used for access control.

**Question Number : 30 Question Id : 51245213068 Question Type : SUBJECTIVE**  
**Correct Marks : 3**

Mention any five characteristics of Digital Libraries.

## Digital Library-3

|  |           |
|--|-----------|
| <b>Section Id :</b>                          | 512452798 |
| <b>Section Number :</b>                      | 3         |
| <b>Section type :</b>                        | Offline   |
| <b>Mandatory or Optional :</b>               | Mandatory |
| <b>Number of Questions :</b>                 | 7         |
| <b>Number of Questions to be attempted :</b> | 5         |
| <b>Section Marks :</b>                       | 50        |
| <b>Mark As Answered Required? :</b>          | Yes       |
| <b>Sub-Section Number :</b>                  | 1         |
| <b>Sub-Section Id :</b>                      | 512452834 |
| <b>Question Shuffling Allowed :</b>          | No        |

**Question Number : 31 Question Id : 51245213069 Question Type : SUBJECTIVE**  
**Correct Marks : 10**

Describe any three technology used for long-term digital preservation.

**Question Number : 32 Question Id : 51245213070 Question Type : SUBJECTIVE**  
**Correct Marks : 10**

Explain how to manage the copyright issues in Digital Library?

**Question Number : 33 Question Id : 51245213071 Question Type : SUBJECTIVE**  
**Correct Marks : 10**

What is access restrictions? Explain access restrictions implemented in a digital library.

**Question Number : 34 Question Id : 51245213072 Question Type : SUBJECTIVE**

**Correct Marks : 10**

Describe the process involved in the organization of content in digital library.

**Question Number : 35 Question Id : 51245213073 Question Type : SUBJECTIVE**

**Correct Marks : 10**

What is Library Consortium? Mention any five government-funded library consortia in India.

**Question Number : 36 Question Id : 51245213074 Question Type : SUBJECTIVE**

**Correct Marks : 10**

What is Z39.50? Mention protocols that are developed to serve as an alternative to Z39.50 in the web environment.

**Question Number : 37 Question Id : 51245213075 Question Type : SUBJECTIVE**

**Correct Marks : 10**

Explain Boolean Operators with examples.



