Indian Statistical Institute

Documentation Research and Training Centre
M.S. (Library and Information Science)
3rd Semester, Final Examination (2024-2026)

Paper 13: Data Management

Time: 10:00 AM - 1:00 PM   **Max. Marks: 100**   **Date: 10-11-2025**

Answer any five questions

1. What is research data management (RDM)? Identify and describe the various RDM stakeholders and their roles in data management.   [20]

2. (a) Describe the key aspects of data management.   [10]

   (b) Evaluate a data repository you have used or studied, highlighting its strengths and weaknesses.   [10]

3. (a) Describe the merits and demerits of CKAN for developing an organizational data repository.   [10]

   (b) What is DCAT? Explain how DCAT facilitates the discovery, sharing, and reuse of datasets across various organizations and data portals.   [2+8]

4. What is FAIR data principle? Briefly discuss any two FAIR Data Principles. Illustrate how the FAIR data principles contribute to improving data sharing, transparency, and reproducibility in scientific research.   [2+8+10]

5. (a) What is Big Data? Critically evaluate the ethical challenges of data management in libraries and information centres.   [2+8]

   (b) Critically evaluate the data characteristics that contribute to inefficient data management, poor decision-making, and missed opportunities.   [10]

6. Discuss the various components and functions of the DCC Digital Curation Lifecycle Model.

                                [20]

7. Write short notes (answer any four):   [4*5=20]

   a. Data registry

   b. Linked open data

   c. Hadoop ecosystem

   d. Open Government Data

   e. Dataset journal