

Indian Statistical Institute

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

Paper 13: Data Management

Time: 11:30 AM - 1:00 PM

Max. Marks: 40

Date: 10-09-2025

Answer any four questions

1. What is Open Science? Briefly describe three key areas of action recommended by UNESCO for the effective implementation of Open Science. [2+8]
2. Describe research data management (RDM). Briefly explain the role of LIS professionals in RDM. [2+8]
3. Define ETL. Describe one ETL tool you are familiar with, emphasizing its role and advantages in data cleaning and transformation. Support your answer with relevant examples. [2+8]
4. Critically evaluate Plan S, focusing on its objectives, implementation challenges, and potential impact on scholarly publishing. [10]
5. Write a short note (answer any two): [5+5]
 - a. DPDPA vs. GDPR.
 - b. Zenodo.
 - c. Data warehouse vs. data lake.