

Indian Statistical Institute

Documentation Research and Training Centre
M.S. (Library and Information Science)
1st Semester, Mid-term Examination (2026-2028)

Paper 05: Foundations of Information and Communications

Time: 11:30 AM - 1:00 PM

Max. Marks: 40

Date: 11-09-2026

[Instruction: Read the question before you attempt.]

1. Explain the following operations using the terminal. Answer **any five**. [5]
 - a. Navigate to the Research directory.
 - b. Create directories named: Data, Documents, Backup
 - c. Copy all text files to Backup.
 - d. Rename one of the files.
 - e. Display its permissions.
 - f. Change its permissions to `rw-r-xr--`.
2. Explain the basic Boolean logic operators. [5]

OR

- a. What is a PID? Why is it important in process management? [2]
 - b. List the three primary modes of the Vim editor and specify shortcut keys to move the cursor left, down, to the beginning of the line, to the end of the line, and to the end of the file. [3]
3. Write short notes on Environment Variables [5]

OR

Explain in detail about UNICODE. [5]

4. Explain different file permission types in Linux. How can they be changed? [5]
5. Explain the different number systems and their conversions to one another, with one example each. [10]
6. Differentiate between an absolute path and a relative path in Unix, and explain how the * and ? wildcards function during filename expansion. [10]