

**Indian Statistical Institute**  
**Documentation Research and Training Centre**  
**M.S. in Library and Information Science**  
**Mid-Semester Exam (I Semester) (2023-24)**  
**Paper- 05: Foundations of Information and Communication Technology**

**Date:** 22-09-2023

**Max. Marks:** 40

**Time:** 90 Minutes

**Note:** (i) Answer Any **TWO** questions from the Questions 1-3.  
(ii) **Question 4** is Compulsory.

1. (a) Enumerate different types of Input and Output devices with their modes of recording. 7  
(b) Identify four key and important landmarks in the development of Digital computers. 8
2. (a) What is the difference between ROM and RAM? Why knowledge of RAM is important to the end user? 8  
(b) What are the different types of computer Software? Diagrammatically show their relation with computer hardware. 7
3. (a) What are the different types of Computers? Distinguish their differences in brief. 8  
(b) Examine the key technologies that are integrated into Information Technology. 7
4. Write Short notes on any **TWO** of the following. 5\*2= 10
  - (a) What are the different generations of Computers and their key technology?
  - (b) Highlight the characteristics of Optical Storage devices.
  - (c) Which are the different number systems and the need to know them?