



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

DEPARTMENT OF RECORDS AND ARCHIVES MANAGEMENT

INTRODUCTION TO INFORMATION TECHNOLOGY

IIM 1105

Main Examination

December 2024

This examination paper consists of 2 pages.

Time Allowed: 3 hours

Total Marks: 100

Examiner's Name: Mr C.T. Mutare

INSTRUCTIONS

1. Answer any **four (4)** questions.
2. Each question carries **25 marks**.

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
6.	25

1. a) Distinguish between data, information and knowledge. [9 marks]
b) Explore the three (3) eras through which society has transformed. [12 marks]
c) State any four (4) features of an information society. [4 marks]
[Total 25 marks]
2. Illustrate and explain the computer memory hierarchy. [25 marks]
3. Discuss any five (5) challenges associated with the use of information technology and suggest solutions to the issues discussed. [25 marks]
4. a) Explain guided and unguided media exploring at least one example of each. [10 marks]
b) Describe the following modes of transmission, giving examples that apply to each mode:
i. Simplex mode [5 marks]
ii. Half-Duplex mode [5 marks]
iii. Full-Duplex mode. [5 marks]
[Total 25 marks]
5. a) Describe hardware, software and firmware. [18 marks]
b) State any seven (7) functions of an operating system. [7 marks]
[Total 25 marks]
6. Identify any one (1) trending technology and discuss its features, how it works and its applications. [25 marks]

END OF PAPER