



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF COMMUNICATION AND INFORMATION SCIENCE
DEPARTMENT OF INSURANCE AND ACTUARIAL SCIENCE
INFORMATION MANAGEMENT IN HEALTH SERVICES

ILI 2107

Supplementary Examination Paper

July 2016

This examination paper consists of 2 pages

Time Allowed: 3 hours
Total Marks: 100
Special Requirements: None
Examiner's Name: Mr E. Mupaikwa

INSTRUCTIONS

1. Answer any four (4) questions
2. Each question carries 25 marks
3. Importance is attached to accuracy, clarity of expression and legible handwriting

MARK ALLOCATION

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

1. Discuss the role of management in the context of health information management.
[25 marks]
2. Determine challenges of handling manual health records in health centres and suggest how digital technologies may be used to simplify records management.
[25 marks]
3. Discuss the roles played by any five (5) health management information systems in the provision of information on health.
[25 marks]
4. GIS and GPS have been used for collecting and analysing spatial data. Justify the use of these technologies in health information management.
[25 marks]
5. Appraise the application of artificial intelligence in health information systems.
[25 marks]
6. Discuss the following systems development approaches:
 - 6.1 Prototyping [10 marks]
 - 6.2 Rapid application development [10 marks]
 - 6.3 Object oriented development [5 marks]