

30



MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN EXAM

2023/2024 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH

COURSE CODE: HEH 315

COURSE TITLE: ENVIRONMENTAL HEALTH INFORMATION SYSTEMS

DATE: 7-12-2023

TIME: 2.00-4.00 PM

INSTRUCTIONS TO CANDIDATES:

ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO QUESTIONS IN SECTION B

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

Paper Consists of 2 Printed Pages. Please Turn Over



SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

1. Name the basic characteristics of an information network (5 marks)
2. List any four modern information tools for data collection (4 Marks)
3. Define the following terminologies as used in environmental information system (5 Marks)
 - a) Process
 - b) System
 - c) Information
 - d) Data
 - e) Information System:
4. State five laws and regulations governing environmental health information in Kenya (5 Marks)
5. Outline the main sources of computer viruses? (5 marks)
6. Name the phases in database development lifecycle (6 marks)
7. List the various types of relationships resulting from the interaction between man and environment (4 marks)
8. Outline some of the environmental health information system Security tips you can recommend to an organization (6 marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS (30 MARKS)

9. Environmental informational information systems have evolved over time. Describe the problems encountered during Environmental Information System evolution in Africa (15 marks)
10. Describe some of the key reasons for data collection within a public health setup (15 Marks)
11. As a Public health officer responsible for data of health data, discuss some of the major causes of poor health care data quality? (15 marks)