



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2022/2023

SECOND YEAR, SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATION FOR  
THE DEGREE OF BACHELOR OF HEALTH SYSTEMS MANAGEMENT

### NNH 3453: HEALTH MANAGEMENT INFORMATION SYSTEMS

DATE: AUGUST 2023

TIME: 2 HOURS

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**INSTRUCTIONS:** *Answer question one and any other two questions*

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#### QUESTION ONE (30MARKS)

- a) Explain three characteristics of good information (6 marks)
- b) State five advantages of open source technology in healthcare system (5 marks)
- c) Explain 3 ways of improving data collection process in healthcare system (6 marks)
- d) Explain two sources of health information data (4 marks)
- e) Explain three strategies of improving data sharing (6 marks)
- f) State three specific objectives of health management information system (3 marks)

#### QUESTION TWO (20MARKS)

- a. Discuss the components of data gathering and information processing (10 marks)
- b. Discuss the best practices in health management information system (10 marks)

#### QUESTION THREE (20MARKS)

- a. Discuss the clinical uses of tele health technologies in healthcare system (10 marks)
  - b. Describe the types of tele health modes used in healthcare system (10 marks)
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**QUESTION FOUR (20MARKS)**

- a) Outline the laws governing data systems in Kenya (10 marks)
- b) Discuss the strategies of maintaining confidentiality and security of patient's data and information (10 mark)

