



KENYATTA UNIVERSITY

SECOND SEMESTER EXAMINATIONS 2008/2009 UNIVERSITY EXAMINATIONS FOR DEGREE OF BACHELOR OF SCIENCE (ENVIRONMENTAL HEALTH)

HEH 306: ENVIRONMENTAL INFORMATION SYSTEMS

DATE: Wednesday 1st April 2009

TIME: 11.00am-1.00pm

INSTRUCTIONS:

1. Answer All questions in section **ONE**. In section **TWO**, answer question **ONE** and any other **TWO**
2. Please write your answers LEGIBLY
3. Exam duration is 2 hours

SECTION ONE: SAQs

1. Giving examples, briefly define the following. [10marks]
 - a) Database
 - b) Spatial data
 - c) Information system
 - d) Environmental information systems
 - e) Health informatics
2. Briefly describe five uses of environmental information systems. [5marks]
3. Explain the two major types of environmental information systems. [5marks]

SECTION TWO: LAQs

1. Describe the utility of the following environmental information systems tools to the field of Environmental Health/Public Health field.
 - a) Geographical information systems (GIS) [10marks]
 - b) Remote sensing technology [10marks]
2. Discuss the evolution of environmental information systems. [15marks]
3. Discuss the roles of the United Nations Environmental programme (UNEP) in environmental management with special reference to environmental information. [15marks]
4. Discuss the roles of 'Health Informatics' under the following subheadings. [15marks]
 - a) Health communication
 - b) Evolution of new interventions
 - c) Patients care