



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

INSTITUTE OF OPEN LEARNING (IOL)

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (FOODS,
NUTRITION AND DIETETICS)

HFN 103: INTRODUCTION TO ENVIRONMENTAL HEALTH

DATE: Saturday, 5th February, 2011

TIME: 8.00 a.m. – 10.00 a.m.

INSTRUCTIONS:

Answer **ALL** questions in Sections A

Answer question **ONE** and any other **TWO** questions in Section B.

SECTION A (20 MARKS)

Answer **ALL** questions in this Section.

1. Explain at least five core concepts of environmental health (5 marks)
2. Describe five broad areas into which hazards can be classified (5 marks)
3. Explain various ways drinking water quality can be improved (5 marks)
4. Explain some of the toxics which can be found in Food (5 marks)

SECTION B (50 MARKS)

Answer question **ONE** and any other **TWO** questions in this Section.

1. Explain five types of pollutant sources in homes (20 marks)

2. Explain various types of biological hazards (15 marks)
3. Risk assessment is the characterization of the potential adverse health effects resulting from human and ecological exposures to environmental hazards.
Describe steps involved in risk assessment (15 marks)
4. With an appropriate example of the cause in each case, explain some of the health effects of chemicals (15 marks)
5. Explain various challenges faced in the control and prevention of water related Diseases (15 marks)