



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF
MASTER OF SCIENCE IN OCCUPATIONAL HEALTH

HEH 806: ENVIRONMENTAL HEALTH RISK ASSESSMENT AND MANAGEMENT

DATE: Wednesday, 30th December 2016

TIME: 9.00 a.m. - 12.00 p.m.

INSTRUCTIONS:

Answer Question one and any other three questions. Question one carries 50 marks while the rest carry 30 marks each.

1. (a) Describe how the direction of evidence, its strength and the overall weight affects decision making in risk assessment and management. (30 marks)
 (b) Explain five ways in which risk can be defined in environmental health. (20 marks)
2. Describe the utility of the risk assessment and management matrix to risk assessment and management. (30 marks)
3. Environmental Risk assessment approaches can be broadly categorized as qualitative, quantitative, and semi-quantitative. Giving examples in each case describe the activities, actions and functions oriented in each case. (30 marks)
4. Using a range of risk management options available discuss the four main component of a structured approach to environmental risk assessment and management framework. (30 marks)
5. (a) Describe in detail the stages in carrying out an environmental risk assessment. (15 marks)
 (b) Examine the uses of environmental risk assessment and management at work environments. (15 marks)