



**KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012**

**IBP DECEMBER 2011 SESSION EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH**

HEH 210: WATER SUPPLY AND QUALITY CONTROL

DATE: Friday 4th May 2012

TIME: 4.30 p.m. – 6.30 p.m.

INSTRUCTIONS:

SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

1. Describe the different categories of water uses. (6 marks)
2. Explain the need for surface water treatment. (4 marks)
3. Explain the functions and roles of Kenya's water service boards (6 marks)
4. Discuss the relevance of ground water resources to the Kenyan people. (4 marks)

SECTION B:

Answer question ONE and any other TWO questions. Question ONE carries twenty (20) marks while the other questions carry fifteen (15) marks each.

1. (a) Identify and describe indicators of water supply to a community. (5 marks)
(b) Discuss water quality with relevance to public health. (15 marks)
2. With specific examples explain the sources of surface water pollution and identify approaches of pollution control in each case. (15 marks)
3. Discuss the challenges of achieving Millennium Development Goal number seven (7) in Kenya. (15 marks)
4. Discuss the principles of integrated water resources management. (15 marks)
5. Critically examine factors that influence the selection and planning for a community water-supply. (15 marks)

-----END-----