



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (ENVIRONMENTAL HEALTH)

HEH 215: WATER QUALITY AND DISEASE CONTROL

DATE: Friday, 19th May 2017

TIME: 4.30 p.m. - 6.30 p.m.

INSTRUCTIONS:

Section A: Answer all the Questions in this section.

1. Describe the different categories of water uses. (4 Marks)
2. Explain the water availability with regard to Water Quality. (6 Marks)
3. Explain the relevant laws prosecuting water resource management in Kenya. (6 Marks)
4. Describe the significant processes for the hydrological cycle. (4 Marks)

Section B: Attempt Question One and any other Two Questions. Question One carries twenty (20 Marks) while the other questions carries 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)