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**University Examinations 2015/2016**

THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH

**HPP 3305: WATER AND SANITATION**

**DATE: AUGUST 2016 TIME: 2HOURS**

**INSTRUCTIONS:** *Answer question* ***one*** *and any other* ***two*** *questions*

**QUESTION ONE (30MARKS)**

1. Explain giving examples the following terminologies used in water and sanitation:
2. Sanitation (3 Mark)
3. Clean water supply (4 Mark)
4. Water borne diseases (4 Mark)
5. Describe giving examples the sources of water. (10 Marks)
6. Discuss the Public Health effects due to upstream contamination of water due to poor sanitation. (9 Marks)

**QUESTION TWO (20 MARKS)**

Discuss how various characteristics are utilized as some of parameters to ensure water quality. (20 Marks)

**QUESTION THREE (20 MARKS)**

Water supply is key in public health, discuss water supply under the following headings.

1. Planning (5 Marks)
2. Abstraction (5 Marks)
3. Conveyance (5 Marks)
4. Treatment (5 Marks)

**QUESTION FOUR (20 MARKS)**

Adequate and consistent water supply is a sign development and civilization. Discuss the overall effects clean water supply in Kenya. (20 Marks)