



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

PUBLIC HEALTH/COMMUNITY HEALTH AND DEVELOPMENT

2nd YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: HCD 3221

COURSE TITLE: DRAINAGE AND CONSERVANCY

EXAM VENUE: STREAM: BSC. PUBLIC/COMM.HLTH & DEV

DATE: EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A and 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A

1. Define the term health according to WHO (1 mark)
2. Define the term drain (1 mark)
3. Explain the term drainage system (3 marks)
4. Explain the term conservancy (3 marks)
5. Define the term sewer (1 mark)
6. Explain the term soil water (3 marks)
7. Define the term sewerage system (1mark)
8. State three advantages of one pipe system (5 marks)
9. State the difference between one pipe system and two pipe system (4 marks)
10. Explain the term water-born sanitation (4 marks)
11. Explain the difference between a soak-pit and a septic tank (4 marks)

SECTION B

1. Explain the principles of sound drainage (20 marks)
2. Describe the requirements and construction of a pit latrine (20 marks)
3. Describe how one would control cholera which is one of the diseases transmitted through contaminated environment. (20 marks)
4. Explain the various methods of excreta disposal and their merits and demerits (20 marks)