



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
END OF SEMESTER EXAMS FOR BSc PUBLIC HEALTH/ COMMUNITY HEALTH AND
DEVELOPMENT
YEAR 2, SEMESTER1- 2018/2019 ACADEMIC YEAR
KISUMU TOWN CAMPUS

COURSE CODE: HPD 3122
COURSE TITLE: WASTE MANAGEMENT
DATE: DEC 2018
EXAM SESSION: _____
TIME: 2 HOURS

Instructions:

- 1. Answer all the questions in Section A and ANY other 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: (30 MARKS) Please answer all Questions.

- 1). Define the term waste Management (3 Marks)
- 2). What are the functions of a water seal as used in the pour flush latrine system (3 Marks)
- 3). Differentiate between excreta and sewage in waste management (3 Marks)
- 4). Differentiate between *Grey water* and *Black water* as used in liquid waste (3 Marks)
- 5). Highlight any three conservancy systems that you know of (3 Marks)
- 6). Highlight any three solid waste disposal options that you are aware of (3 Marks)
- 7). List any three health problems associated with improper solid waste disposal (3 Marks)
- 8). Explain the ways through which improper waste disposal can infect a health person (3 Marks)
- 9). Highlight any three factors to consider when coming up with an appropriate latrine (3 Marks)
- 10). What is the relevance of preliminary and Primary stages in waste water treatment? (3 Marks)

Section II : (40 Marks)- Instructions: (Answer any 2 two questions)

- 1). With the aid of a diagram, describe the sewage treatment process. (20 Marks)
- 2). List and discuss any four reasons for waste water treatment that you know of (20 Marks)
- 3). List and explain the three different characteristics of waste water (20 Marks)

4). By use of examples, discuss the health problems associated with improper solid waste disposal (20 Marks)