



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
PUBLIC HEALTH
2nd YEAR 2nd SEMESTER 2022/2023 ACADEMIC YEAR
MAIN CAMPUS

COURSE CODE: HCB 1202

COURSE TITLE: DRAINAGE AND CONSERVANCY

DATE:

TIME:

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in Section A and ANY other TWO questions in Section B**
- 2. Section A constitute (30 marks) and B (40 marks)**
- 3. Answers to Questions in Section C must be written in the booklets provided.**
- 4. Candidates must ensure they write their Registration Numbers on all the papers used.**

Section A: Answer all questions each 3 marks (30marks)

1. State the major contributing phenomenon to the current emergence to Africa continental disease burden in public health. (3 marks)
2. Helminth infestations are common among young children and causes serious concern in public health state their occurrence, transmissions and effects among children (3 marks)
3. State the three main soil transmitted helminths species that are common among the infections worldwide. (3 marks)
4. State three groups of individuals who could be at high risk of contracting soil-transmitted helminth in your community hence require periodic treatment. (3 marks)
5. State the other two intervention methods for prevention and control of soil transmitted helminths apart from periodic treatment of the individual in high endemic areas. (3 marks)
6. What are the three raw foodstuff status that one should avoid at all cost with an aim of preventing contracting cholera. (3 marks)
7. Explain circumstances where the concept of open field defecation can be accepted for use. (3 marks)
8. Explain briefly why it is important to neatly pile the earth that was removed from digging the hole for shallow trench latrine. (3 marks)
9. State the three advantages of using deep trench latrines in our communities at any given time. (3 marks)
10. State the two situations where the use of borehole latrines are most appropriate and recommended. (3 marks)

Section B: Answer question ONE (1) and any other question (40 Marks)

1. Imagine that you have graduated with Bsc. in Public Health from JOOUST and secured internship in an eventful public health office with National Government. An investor come to the office for public health consultation and guidance concerning methods of excreta disposal for their establishment and you recommended for them chemical closet (toilets) because of the nature of their business. Explain clearly why you recommended for them chemical closet (toilet) to be the most appropriate focusing construction, functions/ applications, advantages and disadvantages (20 Marks).

2. Assume that you are on your final field attachment in you rural home county and a client come to the office and applied for inspection and guidance for his residential house under construction and you found an omission and you advised her to include septic tank in her plan and she requested you to design and draw supervise for her that important aspect of the building on private consultancy engagement terms which you accepted. Illustrate clearly with aid of cross sectional diagram of a double chamber septic tank that you recommended for her house, focus on the functioning and maintenance of this facility.

3. Assume that you went back your rural home after attaining some level of training and you felt that you needed to advise your parents so that you come up with a new VIP latrine based on the benefits that associated with it since the one that has been serving your family in the past is getting filled up very soon. Describe clearly the way you will convince your parents to accept to spend more resource to construct this type of latrine as opposed to others focusing on its construction, function and unique part of it and advantages and disadvantage these should be supported by used of a well labeled diagram (20 Marks).