



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
MASTER OF PUBLIC HEALTH
END OF SEMESTER EXAMINATION APRIL 2023

MSH 719: **Water, Sanitation and Hygiene for Schools**
DATE: **21st April 2023**
TIME: Three Hours **Start:** 1600 Hours **Finish** 1900 Hours

INSTRUCTIONS

1. This exam is marked out of 100 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (25 marks)
Section B: Long Answer Questions (75 marks)
3. All questions in Section A are compulsory and Answer any THREE questions in Section B
4. This online exam shall take 3 Hours
5. Late submission of the answers will not be accepted
6. Ensure your web-camera is on at all times during the examination period
7. No movement is allowed during the examination
8. Idling of your machine for 5 min or more will lead to lock out from the exam
9. The Learning Management System (LMS) has inbuilt integrity checks to detect cheating
10. Any aspect of cheating detected during and or after the exam administration will lead to nullification of your exam
11. In case you have any questions call the invigilator for this exam on Tel. 0722840012 and or the Head of Department on Tel +254720573449
12. For adverse incidences please write an email to: amiu.examinations@amref.ac.ke and jarim.omogi@Amref.ac.ke

SECTION A: COMPULSORY QUESTIONS (25 MARKS)

Question 1

- a) Outline FIVE common symptoms of food poisoning and distinguish those classified as severe
- b) Highlight the stages involved in a public conventional water treatment plant
- c) Explain how a septic tank functions
- d) Describe how water can be treated at the household level
- e) Explain genital schistosomiasis and its associated risks

SECTION B: ANSWER ANY THREE QUESTIONS (75 MARKS)

Question 2

Outline the soil transmitted helminths that are likely to affect pupils in a rural primary school and describe in detail the appropriate control and prevention measures (25 Marks)

Question 3

Describe Community Led Total Sanitation (CLT) as an intervention and discuss the process involved in its implementation (25 Marks)

Question 4

You have been appointed as the health promotion officer in a rural set up where there have been cases of menstrual hygiene. Discuss how a primary school in your jurisdiction should address the management of menstrual hygiene (25 Marks)

Question 5

Ascaris Lumbricoides is one of the common parasitic infections among school children

- a) Describe the life cycle **(10 marks)**
- b) Explain the mode of transmission **(8 marks)**
- c) Suggest the control and prevention of *Ascaris lumbricoides* **(7 marks)**

Question 6

Describe the likely situation that can enhance the risk of food poisoning in a boarding primary school and how can this be prevented (25 Marks)