

Printed By: Amref International Training Center

Date: 25.07.2025 10:40 AM

102105T4COH

COMMUNITY HEALTH LEVEL 5

HE/OS/CH/CR/04/5

Apply Microbiology and Parasitology

July/August 2025

Printed By: Amref International Training Center

Date: 25.07.2025 10:40 AM



Printed By: Amref International Training Center

Date: 25.07.2025 10:40 AM

**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL
(TVET CDACC)**

Printed By: Amref International Training Center

WRITTEN ASSESSMENT

Date: 25.07.2025 10:40 AM

TIME: 3 HOURS

Printed By: Amref International Training Center

Date: 25.07.2025 10:40 AM

INSTRUCTIONS TO CANDIDATE

1. This paper consists of **TWO** sections: **A** and **B**.

2. Attempt **ALL** questions in section **A**.

3. Attempt **any THREE** questions in section **B**.

4. Marks for each question are indicated in the brackets.

5. Candidates are provided with a separate answer booklet

6. Do not write on the question paper.

Printed By: Amref International Training Center

Date: 25.07.2025 10:40 AM

This paper consists of THREE (3) printed pages

Candidate should check the question paper to ascertain that all pages are printed as

indicated and that no questions are missing.

SECTION A (40 MARKS)

Attempt ALL the questions in this section

1. Microbes are disease causing organisms. State THREE characteristics that enables them to cause diseases to humans. (3 Marks)
2. Communicable diseases spread from one person to another. Underline THREE mechanisms they can use to spread. (3 Marks)
3. Name THREE infections that are caused by micro-organisms. (3 Marks)
4. Parasites are placed in different categories. Record FOUR classes in which they are grouped. (4 Marks)
5. State THREE reasons why a Community Health Assistant should study microbiology and parasitology. (3 Marks)
6. Identify FOUR classes of disease-causing agents that are associated with high prevalence of diseased in your community. (4 Marks)
7. Micro-organisms are identified through staining. Name THREE staining methods. (3 Marks)
8. A Community health Promoter suspected a case of Amoebiasis. Suggest THREE signs and symptoms that the patients may have presented. (3 Marks)
9. Identify FOUR classes of bacteria according to their shape. (4 Marks)
10. Suggest THREE ways that intimate partners can prevent the spread of STIs. (3 Marks)
11. List THREE signs and symptoms of cholera. (3 Marks)
12. Worm infestation can be prevented at the community level. Identify FOUR preventive measures that can be put in place. (4 Marks)

SECTION B (60 MARKS)

Attempt any THREE questions in This Section

13. Malaria is an endemic disease in the western region of Kenya and the government is concerned about its management.

a. Describe SIX control and prevention measures that can be put in place.

(12 Marks)

Printed By: Amref International Training Center

Date: 25.07.2025 10:40 AM

b. Explain FIVE methods the government can use to enhance the capacity of Community Health Promoters to help in managing the disease.

(8 Marks)

14. Covid – 19 is a respiratory disease that led to the death of many people around the world.

a. Analyze SIX challenges the government of Kenya faced in its management.

(12 Marks)

b. Describe FOUR types of parasitic worms and their mode of transmission.

(8 Marks)

15. Micro-organisms are living things which can only be seen under the microscope and can be grown in the laboratory.

a. Explain FOUR conditions required for their growth.

(8 Marks)

b. Using a well labelled diagram, illustrate the FIVE stages of bacterial growth.

(12 Marks)

16. The infectious-agents can use various mechanisms to reach and infect human beings.

a. Explain FIVE elements disease transmission cycle

(10 Marks)

b. Describe FIVE components of a bacterial cell.

(10 Marks)

Printed By: Amref International Training Center

Date: 25.07.2025 10:40 AM

Printed By: Amref International Training Center

Date: 25.07.2025 10:40 AM

Printed By: Amref International Training Center

Date: 25.07.2025 10:40 AM