

102104T4COH

COMMUNITY HEALTH LEVEL 4

HE/OS/CH/CC/04/4/A

Apply Basic Microbiology and Parasitology

July/August 2023



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

WRITTEN ASSESSEMENT

2 Hours

INSTRUCTIONS TO CANDIDATE

1. This paper consists of **two** sections: **A** and **B**.
2. Answer **ALL** questions in sections A and B in the answer booklet provided.
3. Marks for each question are indicated in brackets.
4. Do not write on this question paper.

This paper consists of 4 printed pages

**Candidates should check the question paper to ascertain that all pages are
printed as indicated and that no questions are missing**

SECTION A: (10 MARKS)

Answer all questions in this section. Each question carries one Mark.

1. Fungi form characteristic filamentous tubes known as _____
 - A. Archaea
 - B. Halophile
 - C. Hyphae
 - D. Flagella
2. The Tsetse fly is a transmission vector for which of the following organisms?
 - A. Trichomonas vaginalis
 - B. Trypanosoma gambiense
 - C. Entamoeba histolytica
 - D. Toxoplasma
3. Bacteria are referred to a prokaryotic organism because _____
 - A. They lack a nucleus
 - B. They have multiple nuclei
 - C. They have a divided nucleus
 - D. They have a peptidoglycan cell wall
4. _____ is a layer of a virus?
 - A. Phospholipids.
 - B. Lipophospholipids
 - C. Proteins coat
 - D. Permeable layer
5. Identify from the following a primary method of preventing transmission of microbes and parasites.
 - A. Chemotherapy
 - B. Prevention of exposure
 - C. Use of antibiotics
 - D. Scanning of the early stages of the disease
6. Which of the following infections can be transmitted by an infected Anopheles mosquito?
 - A. Trichuriasis

- B. Malaria
 - C. Filariasis
 - D. Schistosomiasis
7. _____ is the interval from the point of infection to the onset of clinical illness.
- A. Carrier
 - B. Incubation
 - C. Clinical
 - D. Sub-clinical
8. The following are gram positive bacteria EXCEPT?
- A. Vibrio
 - B. Neisseria
 - C. Clostridium
 - D. Enterobacteriaceae
9. Identify from the following a parasite transmitted by Sandflies?
- A. Leishmaniasis
 - B. Giardiasis.
 - C. Anthroponosis.
 - D. Vibrio
10. Select from the following a disease caused by a fungus
- A. Rabies
 - B. Candidiasis
 - C. Sleeping sickness
 - D. Malaria

SECTION B: (40 MARKS)

Answer all questions in this section

11. Corona virus (COVID-19) is a severe respiratory illness that is highly infectious. As a healthcare worker, outline FOUR characteristics of virus. (4 Marks)
12. Protozoa have been divided based on their mode of locomotion. State FOUR characteristics of protozoa. (4 Marks)
13. Highlight FOUR conditions that promote the growth of microbes. (4 Marks)
14. Identify FIVE types of microorganisms that cause diseases to human. (5 Marks)
15. Name the FOUR stages of natural history of a disease. (4 Marks)
16. State FOUR preventive measures of malaria. (4 Marks)
17. List FOUR modes of disease transmission. (4 Marks)
18. State FOUR prevention and control measures that should be practiced in the community to interrupt the spread of *Salmonella typhi*. (4 Marks)
19. Identify THREE classes of parasites that can cause illness in humans. (3 Marks)
20. Highlight FOUR shapes of bacteria affecting humans. (4 Marks)

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