

553/2  
BIOLOGY  
(PRACTICAL)  
PAPER 2  
November 2023  
2 hours



## WAKISSHA JOINT EXAMINATIONS

End of Year Assessment

SENIOR THREE

BIOLOGY

(PRACTICAL)

Paper 2

2 hours

### INSTRUCTIONS TO LEARNERS:

- This paper consists of **two** items. Attempt **both** items.
- Responses to items in this paper must be written on separate booklets provided. All items carry equal scores.
- Learners are advised to spend part of the time planning their investigations.

1. Mr. Wambuzi is an old man living in Mbulamuti. For a long time, he has always complained of frequent urination and thirsty. His friends advised him to visit a doctor at the nearby health center to diagnose the problem. Imagine you are the Doctor and you have the following in your reach;  
Test tubes, boiling tubes, heat source, iodine solution, hydrochloric acid, sodium hydroxide, copper (II) sulphate, and a sample P collected from Mr. Wambuzi.
- (a) Design and carry out an experiment to diagnoses / determine the problem.
  - (b) Your experiment planning should include the
    - (i) aim of experiment.
    - (ii) Hypothesis.
    - (iii) Variables.
    - (iv) List of apparatus and materials used.
    - (v) Procedure.
    - (vi) Presentations of data / results.
    - (vii) Conclusion.
    - (viii) Explain your hypothesis.
2. The organism A, B, C, and D provided were collected from the environment. How would you identify each of the organisms using biological principles?
- A Millipede
  - B Cockroach
  - C House fly
  - D Tick

**END**