

Learner's Name Signature

School District.....

SESEMAT MUKONO REGION

UGANDA LOWER SECONDARY CERTIFICATE OF EDUCATION

COMPETENCE BASED CURRICULUM

END OF YEAR ASSESSMENT - 2023

SENIOR THREE

PHYSICS

TIME: 2 HOURS

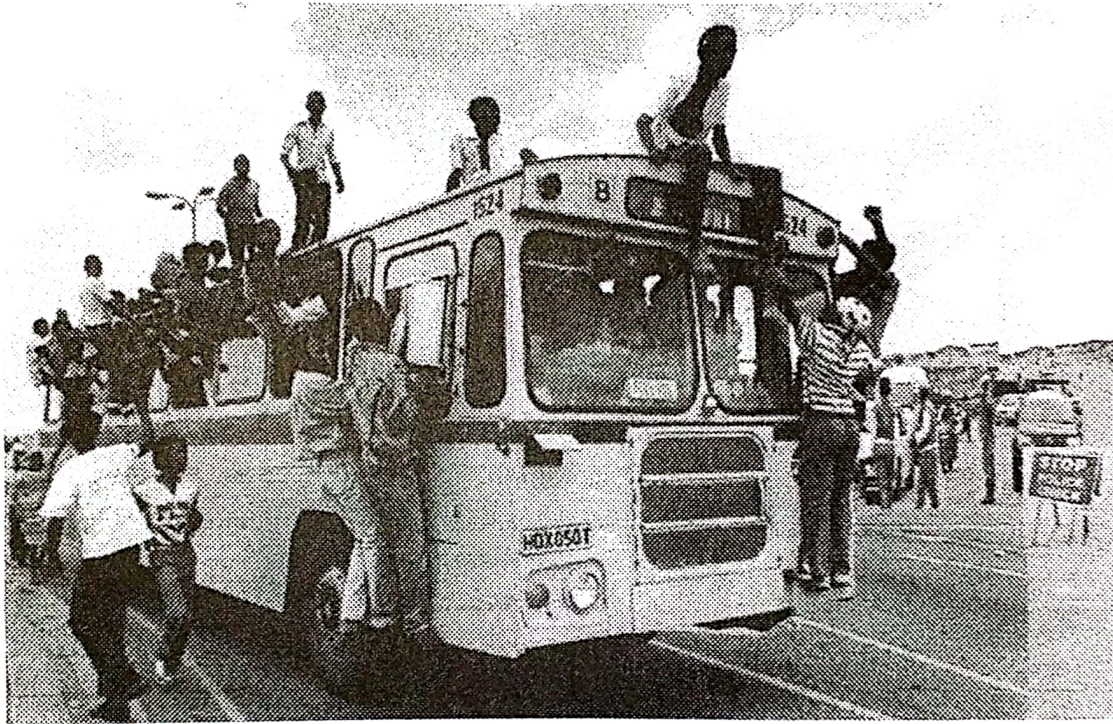
INSTRUCTIONS TO LEARNERS:

- This paper consists of four (4) questions.
- Attempt all questions.
- Start each question on a fresh page.
- Candidates are required to use clear and readable handwriting when presenting their responses.
- Where necessary, a candidate can use appropriate illustrations and diagrams while presenting their responses.

| For Examiner's Use Only | | | | |
|-------------------------|---|---|---|-------------|
| 1 | 2 | 3 | 4 | Total Score |
| | | | | |

1. A certain sports team hired a bus to travel for a game. They won the game and as they were returning, a traffic officer stopped their bus because of the following offences;

- (i) Over-loading.
- (ii) Over speeding.
- (iii) Standing of players in the moving bus.
- (iv) Players seated with unfastened seat belts.
- (v) Worn out tyres.



Task:

Write an explanation to the passengers on the likely effects of each of the above offences

2. (a) A school has a tank which supplies water to students at their dormitory. On weekends, the learners observed that as they collect water from the taps, a time comes when the flow of water is very slow.

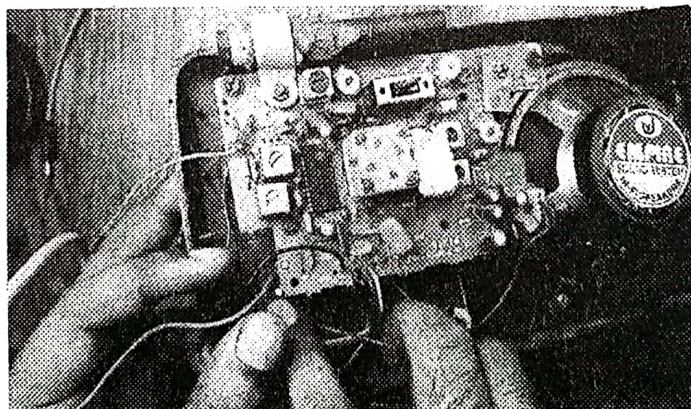


Explain the causes of the slow flow of water.

- (b) The school decided to construct a stand for the tank to produce at least 50,000Pa of water pressure.

- (i) Advise the builders on the materials needed in the construction of the tank stand, giving reasons for the choice of such materials.
- (ii) How should the materials in (b)(i) above be assembled to construct a stand?

3. A mechanic was in his workshop repairing a radio when some small screws fell off into the dust. He wanted to pick them up but realized that the device he always uses had got destroyed after his son banged it several times on a table.



Explain to the mechanic what happened to his device when it was banged, and how he can make it work again.

4. A student is flying from Uganda to Japan for a study tour. As soon as she reaches Sapporo-Okadama airport in Japan, she charts with her mother to inform her about the journey. Part of their Whatsapp chat (dialogue) is indicated below;



Task:

Write an explanation to the mum on the causes of the differences in the conditions in the two countries.

END