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AUGUST, 2025
SCIENCE – 2 HRS
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Class



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SCIENCE

2 HOURS

Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions carefully. Write your name and index number in ink in the spaces provided above.

This booklet consists of two papers; I and II. Answer Paper 2 which comes first in your answer booklet and Paper 1 on your Objective Test answer sheet. Paper 2 will last for **1 hour 10 minutes**, after which the answer booklet will be collected. Do not start Paper 1 until you are told to do so. Paper 1 will last **50 minutes**.

VERY IMPORTANT INSTRUCTIONS TO YOU IF YOU WANT TO PASS THIS PAPER

1. Read the questions, brainstorm and plan your answers before you finally answer them. This is one of the good ways to manage your time in an exam and to do well.
2. Clearly use simple but detailed sentences and provide the best answers possible at all times.

3. Write answers that provide additional information. If you just list answers or provide one to three worded answers where explanations are required, your will score very low marks or nothing at all.
4. Do well to explain your answers to help earn full marks and give one example if needed. Check your units of measurement, spellings, grammar, update answers and read over your work before submitting your script.
5. Write question numbers boldly, start every new major question (answers) on a new page.
6. Do not rewrite the full question before answering. Only write the question number that corresponded to the answer.
7. Show workings in all instances in section B if the question involves calculations.

PAPER 2 - ESSAY

[100 marks]

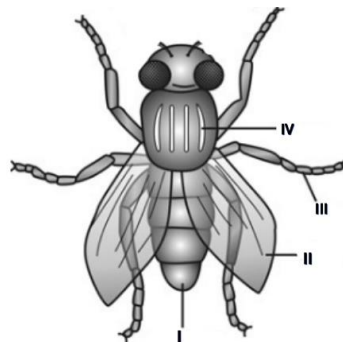
This paper is made up two sections; **Section A** and **B**. Answer Question 1 in section **A** and any other **three** questions from Section **B**.

SECTION A

[40 marks]

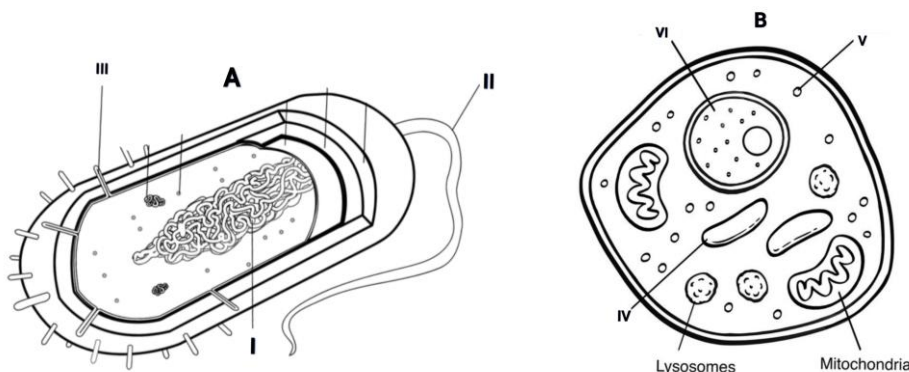
*Answer **all** questions from this section.*

1. (a). Study the diagram of the organism below, which is considered a threat to humans, and answer the questions that follow.



- i. What is the name of the part labeled I, II, III, IV on the diagram? (4 marks)
- ii. Identify two physical control methods that can be used to reduce or eliminate this organism. (2 marks)
- iii. State two harmful activities of this organism that negatively affect human health or comfort. (2 marks)
- iv. Mention two diseases that can be transmitted or caused by this organism. (2 marks)

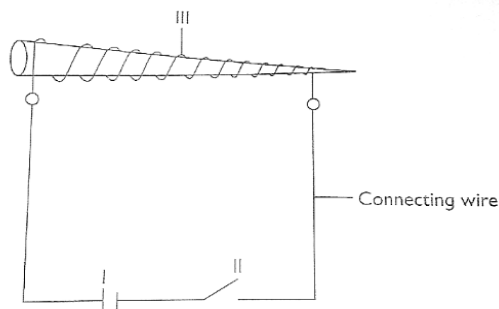
- (b) The diagram below shows illustrations of two cells labeled A and B. Study the diagram carefully and answer the questions that follow



- i. Identify the cells labeled A and B

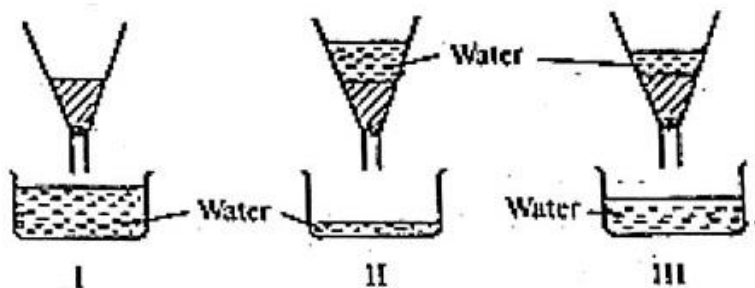
- ii. Name each of the parts labelled I, II, III, IV, V, VI
- iii. Tabulate two differences between cell A and B
- iv. State three similarities between cell A and B

(c) The diagram below shows a method of magnetizing a nail. Study the it carefully and answer the questions that follow.



- i. What method of magnetization is demonstrated above? (1 mark)
- ii. List **two** substances that can be made into a magnet. (2 marks)
- iii. State two other methods of making magnets. (4 marks)
- iv. Name one material that is used in making an electrical wire. (1 mark)
- v. Give two properties of the material you have mentioned in (iv) which makes it useful as a wire. (2 marks)

(d) The set-up below is a demonstration by a basic 8 pupil using samples of the types of soil. Use it to answer the questions that follow.



- i. Suggest a suitable title for the experiment above. (2 marks)
- ii. State three observations you can make from the set-up. (3 marks)
- iii. Explain why the levels of water are different in the set-up. (3 marks)
- iv. What conclusion could be drawn from the results of the experiment? (2 marks)