



# EXCEL EXAMINATIONS

## BEGINNING OF TERM I, 2025

### P.7 INTEGRATED SCIENCE

TIME ALLOWED: 2HRS 15 MINUTES

INDEX NO.

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NAME

SIGNATURE

SCHOOL

STREAM

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

**Read the following instructions carefully**

1. This paper has two sections; **A** and **B**.
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer **ALL** questions in Section **A** and Section **B**. Answers must be written in the spaces provided.
5. All answers must be written using a blue or black ball-point pen or ink. Only diagrams may be done in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.

### FOR EXAMINER'S USE ONLY

PAGE NO	Page 2	Page 3	Page 4	Page 5	Page 6	Page 7	Page 8	TOTAL
MARKS								
SIGN								



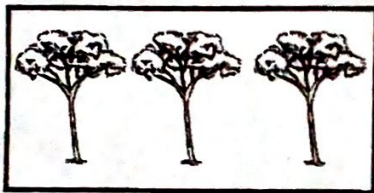
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## SECTION A (40 MARKS)

1. Name the main food value got from eating cereal crops.
2. Why does a five hundred shillings coin sink in water?
3. How does the tail of a sperm cell help it in movement?
4. Apart from using drugs, state any **one** preventive measure used to control foot and mouth disease.
5. State the difference between bacteria and yeast in terms of reproduction.

The diagram below shows a method of growing crops. Use it to answer questions 6-7.

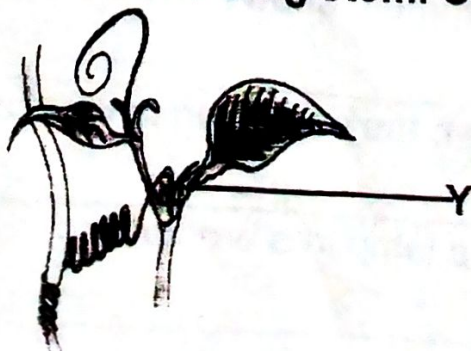


6. Name the practice of growing crops shown in the diagram.
7. State any **one** advantage of growing crops using this method shown in the diagram.
8. Give any **one** reason why food should be prepared from a clean place?
9. What is self-medication?
10. To which group of musical instruments does a harp belong?
11. State any **one** way how a bee keeper benefits from a flower grower near his bee hives.



12. Mention the major environmental problem likely to take place when trees in an area are cut down.
13. Why are BCG and polio vaccines administered right way at birth?
14. Mention the best way of preserving maize grains.
15. Give **one** reason why water boiled in a covered sauce pan boils faster than water boiled in an uncovered source pan.
16. In which way do lizards help in controlling the spread of malaria?
17. How do thick walls of arteries help them to perform their function?
18. Mention any **one** example of a narcotic drug.
19. Mention any **one** importance of sex education among adolescents.
20. Name the alloy formed by combining iron and carbon.
21. Apart from using pesticides, state any **one** crop growing practice that can help in control of caterpillars in a garden.
22. In which **one** way is breast feeding cheaper in a family?
23. In which state of matter is water at  $-10^{\circ}\text{C}$ .
24. Suggest **one** reason why sandy soils do not hold water for a long time.

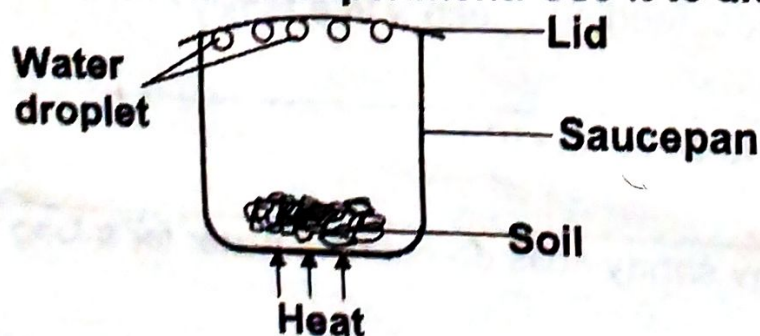
The diagram below shows a climbing stem. Use it to answer questions 25 - 26.





25. Name structures labelled y.
26. State any one reason why such a stem cannot stand upright.
27. Mention any one way of avoiding milk contamination during milking.
28. Why should a pit latrine be built below the water source?
29. Why is boiling better than filtration in terms of preparing drinking water?
30. How does accepting gifts among adolescents increase the risk of HIV/AIDS among them?
31. Name the path in which most communicable diseases are spread.
32. Mention the digestive juice produced by the walls of the stomach.
33. State any one way a crop farmer benefits from a poultry farm.
34. Why should windows of a living house be kept open during the day?
35. What is the importance of water during seed germination?

The diagram below is an experiment. Use it to answer questions.



36. What does the above experiment show?
37. How is heat transferred from the saucepan to the soil?
38. What is the importance of a lamp in a brooder?



39. Name the type of accident to which a kiss of life is given as a first aid.

40. State any **one** disadvantage of using hard water.

### SECTION B

41(a) State the difference between pitch and volume.

(b) Mention the form of writing in which sound can be stored.

(c) State any **two** ways of reproducing sound.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

42(a) What is honey harvesting?

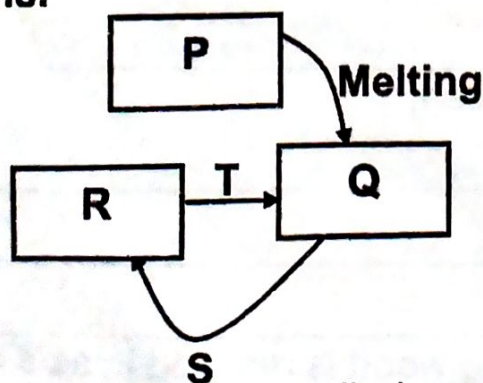
(b) State the use of the following in harvesting honey

(i) Gloves \_\_\_\_\_

(ii) A smoker \_\_\_\_\_

(c) Apart from food value, state any other value of honey to people.

43. The diagram below shows a states of matter. Use it to answer questions.



(a) Name states of matter labelled

P \_\_\_\_\_

Q \_\_\_\_\_

(b) Name the changes in states of matter labelled.

S \_\_\_\_\_

T \_\_\_\_\_

44(a) Write **HIV** in full.



(b) State **one** major way in which HIV/AIDS is commonly spread among adults.

(c) Name the component of blood commonly affected by a HIV virus.

(d) State any **one** problem caused by HIV/AIDS in a family.

45(a) Write down any **two** health habits that can promote family hygiene.

(i)

(ii)

(b) Identify any **two** components of a clean home.

(i)

(ii)

46(a) What is family planning?

(b) State any **one** reason why it is important for a family to practice family planning.

(c) How does breast feeding help to promote family planning.

(d) Mention any **one** reason why most families find it hard to practice family planning.

47(a) What type of change takes place when;

(i) Water evaporates

(ii) A seed germinates

(iii) An iron rusts

(b) State any **one** reason why a burning wood is referred to as a chemical change.

48(a) State any **two** ways of conserving plants as a resource.

(i)

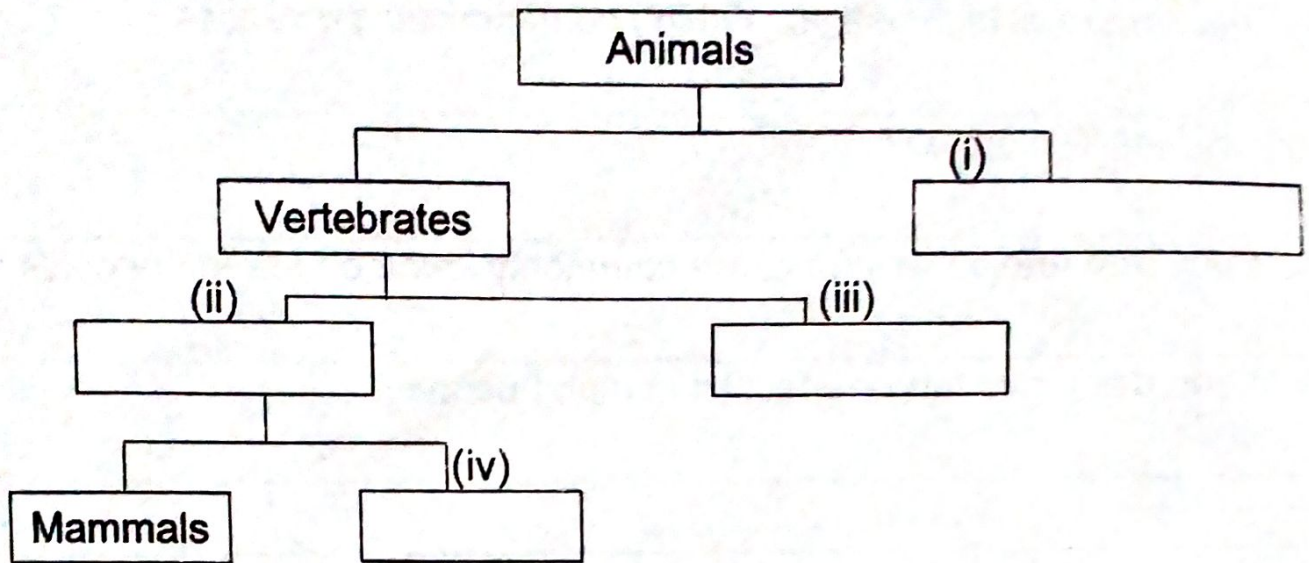
(ii)

(b) State any **one** way how plants are helpful to people.



- c) Identify any **one** human activity that can lead to destruction of plants as a resource.

49. Complete the diagram below



50(a) Define "immunity"

(b) Mention any **two** health habits that boosts body immunity.

(i)

(ii)

(c) State any **one** major danger of having low body immunity.

51(a) Write down any **one** characteristic of essential drugs.

(b) Identify any **one** reason why essential drugs should be kept under lock and key.

(c) Why should essential drugs be marked both with the manufactured date and expiry date?

(d) State any **one** way of controlling taking overdose.

52(a) Why is cholera called a communicable disease?



(b) Write down any **two** habits that can lead to the spread of communicable diseases.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Why are infants at high risk of catching communicable diseases?

53(a) How do fungi reproduce?

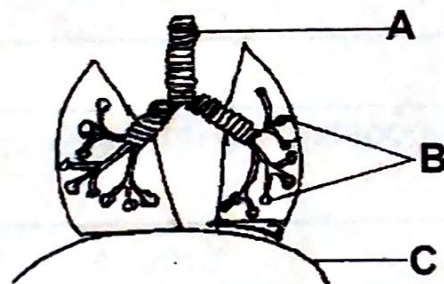
(b) State any **one** reason why fungi are commonly found on rotten materials.

(c) Write down any **two** fungal infections among people.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

54. The diagram below shows the respiratory tract of a person. Use it to answer questions that follow.



(a) Name part labelled **A**.

(b) What is the importance of part labelled **B**?

(c) What happens to part **C** when you breathe in?

(d) Give any **one** reason why inhaled air has a lot of oxygen than exhaled air?

55(a) State any **two** reasons why most farmers prefer keeping pigs to cattle.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Why is it dangerous to eat half-cooked pork?

(c) Mention any **one** way of controlling swine fever among farm swines.