



EXCEL EXAMINATIONS

END OF TERM II, 2024

P.4 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

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MARKS								
SIGN								



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SECTION A:

1. Name the body organ that pumps blood to all parts of the body
2. Why is boiled water said to be good for drinking?
3. What is the importance of brushing teeth regularly?
4. Why should we use soap while bathing?

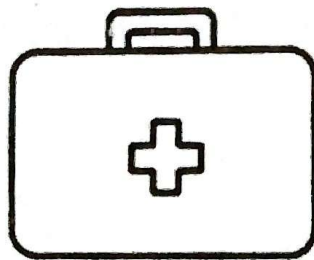
The diagram shows a garden tool. Use it to answer questions 5-6.



5. Name the garden tool in the diagram.
6. Identify the crop growing problem where the farmer uses the garden tool shown in the diagram.
7. Why is a spider not a true insect?
8. Mention any **one** crop growing practice that can help a farmer grow crops in the dry season.
9. Give any **one** reason why leftover food should be covered?
10. What do we call the female part of the flower?
11. Write down any **one** way of caring for soil.
12. Which component of air that support human life.
13. What are disease vectors?

14. What is the use of root hairs to a plant?
15. What do we call the breathing structures of an insect?
16. Name the gas used in fire extinguishers.
17. Mention any **one** way of preparing milk.
18. What is the use of lungs to a person?
19. Mention the accident caused by pangas.
20. Why should we wash hands with soap after visiting the latrines?
21. Write down any eye disease spread by houseflies.
22. State any **one** importance of mulching a garden.
23. In which type of weather do people wear thick clothes?
24. Write down any **one** way of controlling soil erosion in a school compound.
25. Why should people sleep under treated mosquito nets?
26. What do we call the larva stage of a housefly?

The diagram below is a first aid equipment. Use it to answer questions.

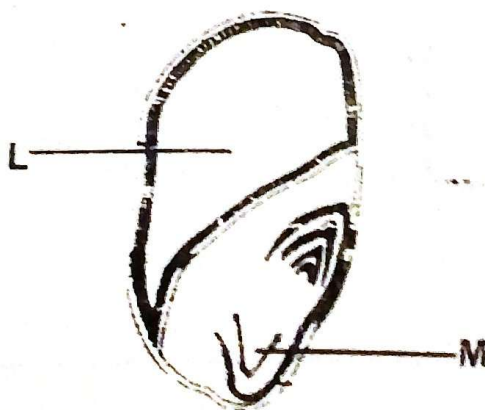


27. Name the equipment in the diagram.

28. What is the use of the equipment shown in the diagram?
29. Write down any one example of social insects.
30. Write down any one need of a plant.
31. What is the use of a rubbish pit at school?
32. Name the danger of lacking proteins in the body.
33. How do farmers benefit from sunshine?
34. Write down any one tool used in keeping sanitation at school.
35. Write down any one symptom of dysentery.
36. Which part of the cabbage do we eat?
37. How do we preserve meat?
38. Name the habitat of fish.
39. What do we call giving plants extra support using poles?
40. Mention any one insect that undergoes three stages of development.

SECTION B

41. The diagram below is a maize grain. Use it to answer questions.



(a) Name part labelled **M**

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

(c) Name any **food** value got from eating maize.

(d) What type of germination has a maize seedling?

42(a) Why are insects called living things?

(b) Mention the part of an insect that has the same function as gills of fish.

(c) State any **two** ways how insects are dangerous to human beings.

(i)

(ii)

43(a) Write down any **two** diseases that result from poor sanitation.

(i)

(ii)

(b) Mention any **two** ways how we can control diseases that result from poor sanitation.

(i)

(ii)

44(a) What is leaf venation?

(b) What type of venation has a bean leaf?

(c) What is the importance of veins in a leaf?

(d) Mention any **one** use of leaves to a plant.

45. Complete the table below

	Source	Disease
	Green vegetables	Night blindness
Vitamin B3	Liver	
Vitamin C	Fruits	
	Sunshine	Rickets

46(a) Write down any two ways how farmers care for crops.

(i) _____

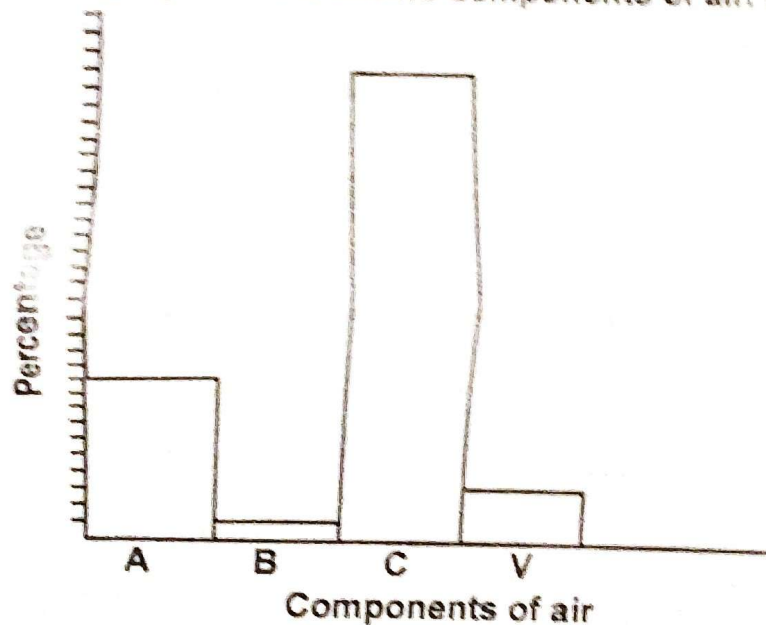
(ii) _____

(b) Mention any two problems farmers face in growing crops.

(i) _____

(ii) _____

47. The graph below shows components of air. Use it to answer questions.



(a) Name the components of air labelled

A _____

B _____

(b) How do plants benefit from component of air labelled B?

(c) What is the percentage composition of component labelled C in the environment?

48(a) How are these body organs protected in the body

- (i) Lungs _____
- (ii) Brain _____
- (b) What is the use of Kidneys in the body?

- (c) Write down any **one** way of caring for kidney.

49(a) Name any **one** component of soil.

- (b) How do potters use soil?

- (c) Write down any **two** ways of destroying soil.

- (i) _____
- (ii) _____

50(a) What is the importance of these garden tools

- (i) wheelbarrow _____
- (ii) rake _____
- (b) Why is transplanting commonly done in evenings.

(c) Name the best place of keeping metallic garden tools.

51(a) What are weeds?

(b) Write down any **two** ways of controlling weeds in the garden.

- (i) _____
- (ii) _____
- (c) Write any **one** danger of weeds to crops.

52(a) Write down any **one** item used in promoting personal hygiene.

(b) How are the following body parts cleaned

- (i) teeth _____
- (ii) head _____
- (c) Write any **one** importance of keeping personal hygiene.

53. Use the diagram below and answer the questions.



(a) Name the storage pest shown in the diagram.

(b) Name any one disease spread by this pest.

(c) Mention any two ways of controlling the storage pest in the diagram.

(i)

(ii)

54(a) What is pollination?

(b) How do bright petals of flowers help pollinators to pollinate flowers?

(c) Give any one reason why bees visit flowers.

(d) Mention any one insect that pollinate flowers at night.

55. Match correctly

Rain gauge	Air pressure
Anemometer	Humidity
Hygrometer	Rainfall
Barometer	Speed of wind

Rain gauge

Anemometer

Hygrometer

Barometer

**** GOOD LUCK ****