

14. State any one role of the tongue during digestion of food in the mouth.

.....

15. How do worker bees regulate temperatures in the hive?

.....

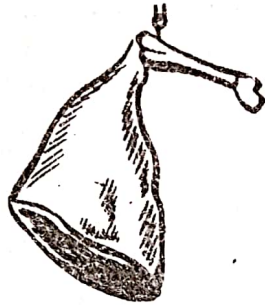
16. Give any one effect of soil erosion in the environment.

.....

17. Why does a boiled bean seed fail to germinate?

.....

The diagram below shows a type of food. *Study and use it to answer questions 18 and 19.*



18. Name the food item shown in the diagram above.

.....

19. Which food nutrient does the food above provide in the diet?

.....

20. Why do farmers usually harvest their crops during a dry season?

.....

21. Which disease of teeth involves formation of holes in the teeth?

.....

22. Why do poultry farmers keep broiler chickens?

.....

23. Name the type of insects to which a cockroach belongs.

.....

24. What is the function of a latrine at home?

.....

25. Give any one effect of rainfall in the environment.

.....

26. Mention any one fuel used to run motor engines.

.....

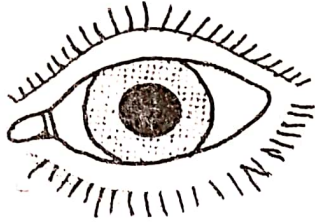
27. What is the use of a pair of secateurs in crop farming?

.....

28. Which insect provides human beings with honey?

29. How many stages of development does a tsetse fly undergo?

The diagram below shows part of the human body. *Study and use it to answer the question that follows.*



30. Name the body part shown in the diagram above.

31. Write down any one disease common in your area.

32. What is the difference between air and wind?

33. Write down any one way of caring for the seedlings in the nursery bed.

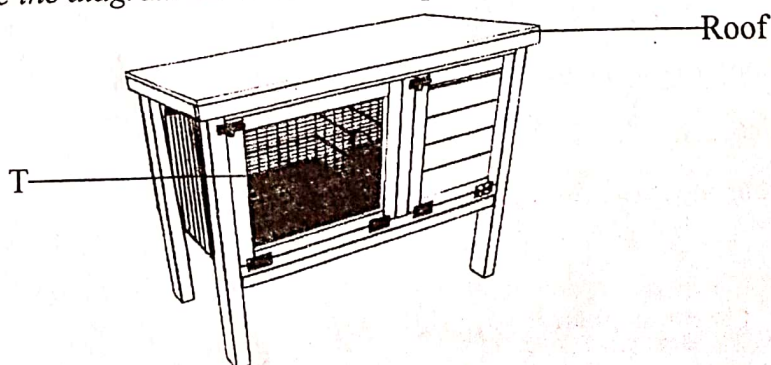
34. Mention any one type of underground stem in plants.

35. What is the danger of talking with mouth full of food?

36. How do germs that cause tetanus enter the human body?

37. Give the function of molar teeth in the human body.

Use the diagram below to answer questions 38 and 39.



38. State the function of part **T** to the above structure.
.....
39. Why should the above structure be raised above the ground?
.....
40. Write down any one way of managing sunny weather in the environment.
.....

SECTION B (60 MARKS)

(Questions 41 to 55 carry four marks each.)

41. Match components of environment with their uses correctly.

	Component (s)	Use (s)
(i)	Cat	Keeps security at home
(ii)	Plants	Keeps rats away from homes
(iii)	Dog	Used for transport
(iv)	Donkeys	Provide food

- (i) Cat
- (ii) Plants
- (iii) Dog
- (iv) Donkeys

42. (a) Name two methods used to administer vaccines into the human body.

- (i).....
- (ii).....

- (b) Mention any two vaccines administered into the body at birth.

- (i).....
- (ii).....

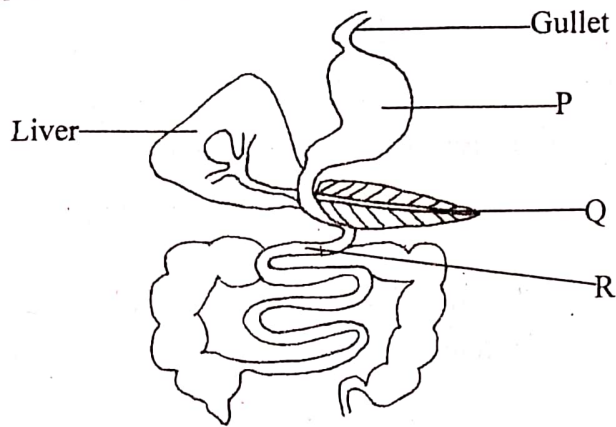
43. (a) Write down any two field crop pests.

- (i).....
- (ii).....

- (b) Give any two ways of controlling field crop pests.

- (i).....
- (ii).....

The diagram below shows part of the human alimentary canal. *Study and use it to answer questions that follow.*



44. (a) Name the parts marked;

(i) Q

(ii) R

(b) Which digestive juice is produced by the liver?

.....

(c) Give any one enzyme produced in the part marked P.

.....

45. (a) What causes kwashiorkor among human beings?

.....

(b) Write down any two signs of kwashiorkor among babies.

(i).....

(ii).....

(c) How can mothers prevent kwashiorkor among their babies?

.....

46. (a) Name the natural process through which rain is formed.

.....

(b) Give any two processes involved in the formation of rainfall.

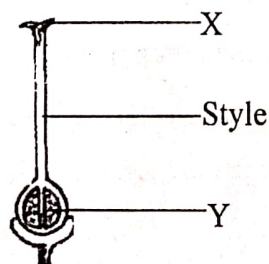
(i).....

(ii).....

(c) State the role of plants in the formation of rainfall.

.....

The diagram below shows part of a plant. *Study and use it to answer questions that follow.*



SECTION A : (40 MARKS)

(Questions 1 to 40 carry one mark each.)

1. How do bees protect themselves against enemies?

.....

2. Which type of soil has smooth and fine particles?

.....

3. State the benefit of regular vaccination of rabbits.

.....

4. Which set of teeth does a person has throughout lifetime?

.....

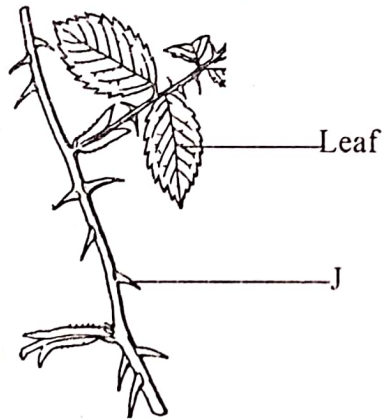
5. Give any one way of preventing accidents in a home.

.....

6. Mention any one element of weather.

.....

The diagram below shows a plant. *Study and use it to answer questions that follow.*



7. Name the structure marked J on the diagram above.

.....

8. What is the danger of structure J to the human body?

.....

9. Give any one reason why crop farmers prune their tomato plants.

.....

10. Why do we shave our hair regularly?

.....

11. State the function of the urinary bladder in the human body.

.....

12. Write down any one use of the sun in the environment.

.....

13. Give any one disease which spreads through air.

.....

STEM EXAMINATIONS BOARD

PRIMARY FIVE ASSESSMENT SET IV, 2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Name:

School:

Read the following instructions carefully:

1. This paper has two sections: A and B. Section A has 40 questions and Section B has 15 questions. The paper has 8 pages altogether.
2. Answer **all** questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a **blue** or **black** ball-point pen or fountain pen. Diagrams should be drawn in pencil.
4. Unnecessary **changes** of work may lead to **loss** of marks.
5. Any handwriting that cannot easily be read may lead to **loss** of marks.
6. Do **not** fill anything in the boxes indicated "For Examiners' Use Only".

FOR EXAMINERS' USE ONLY	
Page No.	Marks
Page 2	
Page 3	
Page 4	
Page 5	
Page 6	
Page 7	
Page 8	
TOTAL	

47. (a) What general name is given to the part of the flower shown above?

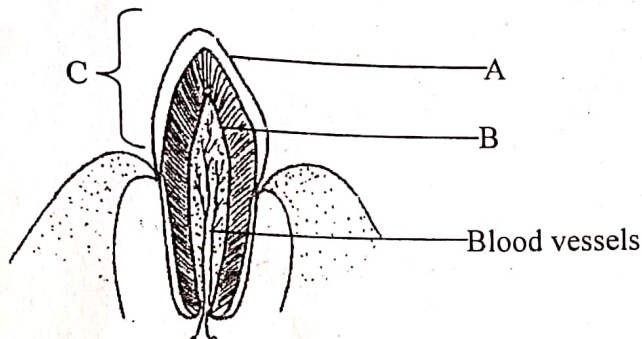
(b) Name the parts marked;

(i) X

(ii) Y

(c) State the function of part X to a flower.

The diagram below shows a human tooth. Study and use it to answer the questions that follow.



48. (a) Name the part of the human tooth marked;

(i) A

(ii) C

(b) Why is part marked B sensitive to heat and coldness?

(c) State any one role of blood vessels to the human tooth.

49. (a) Name two salts lost from the body through stools.

(i)

(ii)

(b) State the function of the following components of ORS to a dehydrated person;

(i) water.

(ii) sugar.

50. (a) Name any two types of intestinal worm among human beings.

(i)

(ii)

(b) Which intestinal worms feed on;

(i) human blood.

(ii) digested food.

51. (a) What is soil profile?

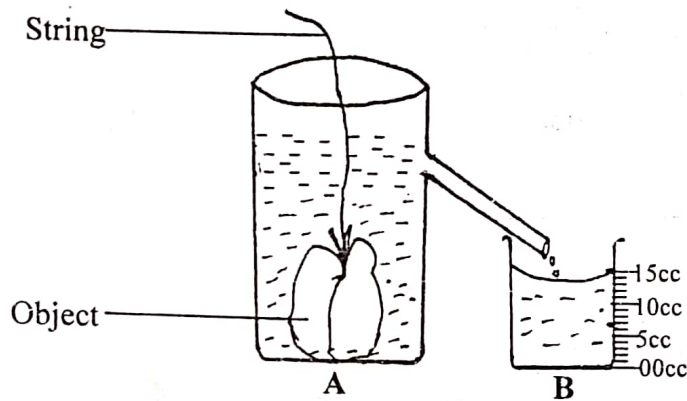
(b) Name the first two layers of soil profile.

(i)

(ii)

(c) What makes top soil able to support plant growth?

The diagram below shows a method of finding volume. *Study and use it to answer the questions that follow.*



52. (a) Which method of finding volume is shown in the diagram below?

(b) Name the containers marked;

(i) A

(ii) B

(c) What is the volume of the object in the above experiment?

53. (a) Give any two benefits of keeping poultry under deep litter system.

(i)

(ii)

(b) Apart from deep litter system, mention two systems of keeping poultry.

(i)

(ii)

54. Complete the table below correctly.

Animal (s)	Young one (s)
Cow	(i)
(ii)	Kitten
Goat	(iii)
(iv)	Cub

55. (a) Why do we display beddings in the sunshine?

(b) Which object do we use for ironing clothes?

(c) Give any one reason for ironing clothes.

(i)

(ii)

END