



THE SPECTRUM EXAMINATIONS HUB
END OF TERM THREE, 2024
ASSESSMENT: SCIENCE
CLASS: PRIMARY SIX
DURATION: 2HRS AND 30 MINUTES

NAME: _____

SCHOOL _____

Read the following instructions carefully:

1. This paper has two sections: A and B.
2. Section A has 50 questions (50 marks)
3. Section B has 5 questions (50 marks)
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. All working must be done using a blue or blackball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.
6. No calculators are allowed in the examination.
7. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the table indicated; "For examiners' use only" and the boxes inside the question paper.

FOR EXAMINER'S USE		
QN. NO.	MARKS	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION: A (40 MARKS)

1. Apart from a donkey, name any other domestic animal used for transport.

2.

.....

3. Name any **one** crop that bears grains.

.....

4. Give any **one** disadvantage of moving air in the environment.

.....

5. How can you help a bee farmer to prevent swarming of his bees?

.....

6. In which way is the movement of earthworms in the soil useful to the soil?

.....

7. Mention any **one** livestock practice carried out on modern farms.

.....

8. How do wetlands encourage the spread of malaria in an area?

.....

.....

The diagram below shows a musical instrument. Use it to answer question 8 and 9.



9. When does the musical instrument drawn above produce sound?

.....

10. How does the sound produced in the above instrument reach listeners?

.....

11. Mention any **one** insect that protects itself by stinging.

.....

12. Apart from rusting, name any other example of a chemical change.

.....

13. Give any **one** characteristic of exotic breeds of goats.

.....
14. Why is it important for all school children to learn swimming skills?
.....

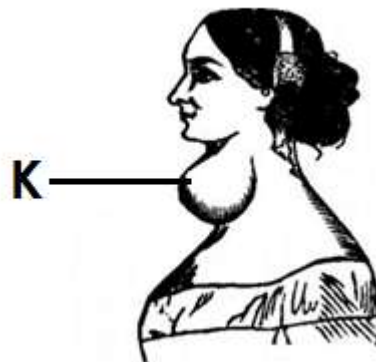
15. Why do some people keep dogs in their homes?
.....

16. How is the heart useful in the circulatory system?
.....

17. Apart from the elderly, mention any other group of vulnerable people.
.....

18. What correct advice can you give to a person whose home has many houseflies?
.....

Use the diagram below to answer questions 18 and 19.



19. Which disease affects the body part marked **K** as shown in the diagram above?
.....

19. State one way of controlling the disease named in no.(18) above.
.....

20. In which way is the reproduction of an amoeba similar to that of bacteria?
.....

21. Name any **one** method of food preservation in which heat energy is used.
.....

22. Identify any **one** example of reptiles.

.....

23. Why would you discourage bottle-feeding for a baby?

.....

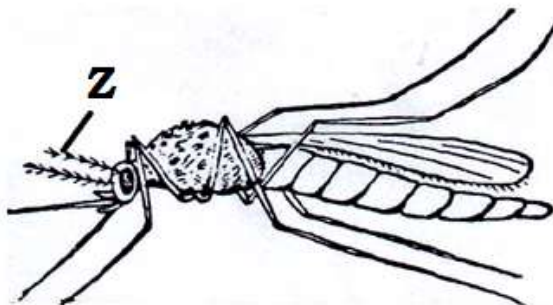
24. Which stage in the life cycle of a cockroach does not move?

.....

25. Apart from failure to have safe delivery, give any other danger of teenage pregnancy.

.....

Use the diagram below to answer questions 26 and 27.



26. Name the part labelled **Z** on the above vector.

.....

27. Which body system is affected by the germ spread by the above vector?

.....

28. How can you prevent metallic objects from rusting?

.....

29. Give any **one** disadvantage of practicing free-range system of poultry near a forest.

.....

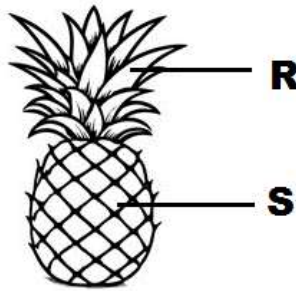
30. Why should children be immunized?

.....

31. How do farmers improve on the health of their rabbits?

.....

Use the diagram below to answer questions 32 and 33.



32. Name part marked **R** on the diagram above.
.....
33. How is part labelled **S** important to the beverage making factories?
.....
34. Name the accident that people get through carelessly using sharp piercing objects.
.....
35. Give any **one** use of yeast to people at home.
.....
36. Mention any **one** way through which farmers conserve soil.
.....
37. How is a bat able to avoid hitting a rock at night?
.....
38. How can you separate a mixture of rice and its husks?
.....
39. Why is distilled water not recommended for drinking?
.....
40. State any one immediate effect of fertilization in both plants and animals.
.....

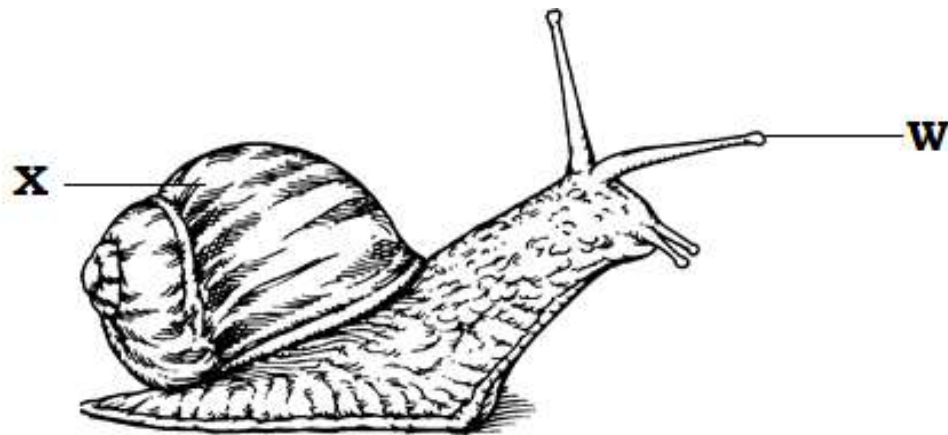
SECTION B. (60 Marks)

41. (a) Name any **two** diseases that can be spread through poor disposal of faeces.
(i)
(ii)
- (b) Identify any **two** activities you can do to reduce the disease named in (a) above.
(i)

- (ii)
42. (a) Give any **two** uses of roots to a plant.
 (i)
 (ii)
- (b) Write any **one** use of a stem to a plant.

- (c) How do plants reduce transpiration?

43. **The diagram below shows a snail. Use it to answer the questions that follow.**



- (a) Name parts labeled **X** and **W**.
 (i) **X**.....(ii) **W**.....
- (b) How is part **X** important to the snail?

- (c) Mention the disease transmitted by the above organism.

44. (a) Which group of plants have root nodules?

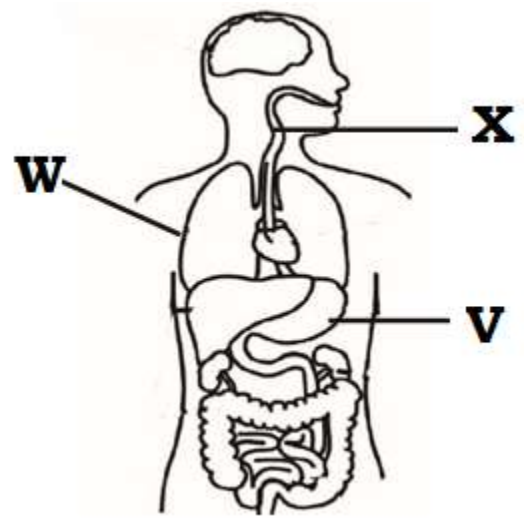
- (b) Give any **two** examples of plants named in 43. (a) above.
 (i) (ii)
- (c) How do the above plants improve soil quality?

45. (a) What is photosynthesis?

- (b) Give any **two** conditions for photosynthesis to take place.
 - (i).....
 - (ii).....
- (c) What is the function of chlorophyll during photosynthesis?

.....

46. Study the diagram of the digestive system below and answer the questions about it.



- a) Name part marked **V**.

.....
- b) Write down one process that takes place in part labelled **X**.

.....
- c) What is the importance of the acid found in part **V**?

.....
- d) Give one importance of part **W** during food digestion process.

.....

47. Study the list of items below and answer the questions that follow.

goat , rock, water , petroleum , donkey

- (a) Identify any **one** non-renewable resource from the above list.

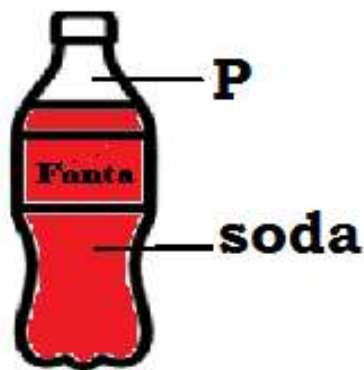
.....
- (b) By what process can a goat be replaced once used up?

.....

(c) Give any **two** uses of water as a resource to people.

- (i)
- (ii)

48. The diagram below is of a bottle of soda. Use it to answer the questions that follow.



(a) Name the gas found in the space marked **P**.

.....

(b) What is the use of the above named gas to the soda?

.....

(c) Name the main food value one gets after taking soda.

.....

(d) What percentage of the atmosphere does the gas found in **P** occupy?

.....

49. (a) How do the following animals protect themselves against their enemies?

(i) wasps.....

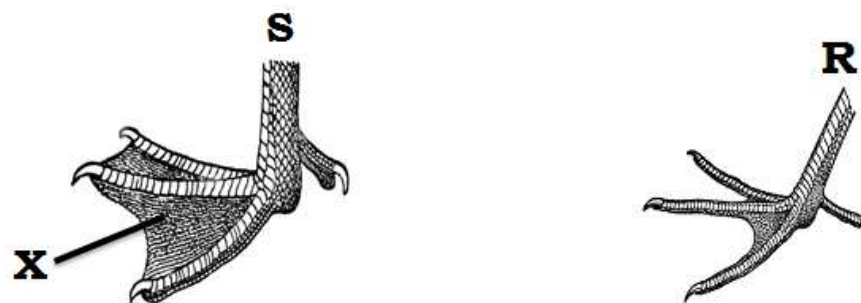
(ii) cows.....

(iii) snails.....

(b) Why is a cat grouped under warm blooded animals?

.....

50. The diagram below shows feet of different birds. Use it to answer the questions that follow.



- (a) Name the part marked **X** on the first foot.
.....
- b). Identify the group of birds with the type of foot marked **R**.
.....
- c). Give any one example of a bird with the type of foot marked **S**.
.....
- d). State any one food suitable for the group of birds whose foot is marked **S**.
.....

51. (a) Write **ORS** in full.
.....
- (b) Name any one solute used in the making of **ORS**.
.....
- (c) Why is a dehydrated person given **ORS**?
.....
- (e) How can you prevent **ORS** from getting contaminated when preparing it?
.....

52. (a) What is a crop pest?
.....
- (b) Identify any **two** pests that attack crops.
(i) (ii)
- (c) How can farmers control pests in their gardens?
.....

53. (a) State the major function of blood vessels in the human body.

 (b) Mention any **two** materials carried by blood as it moves to different parts of the body.
 (i)
 (ii)
 (d) What is the major function of the heart in the human body?

53. Match the following parts used in propagation in R to their respective plants in P correctly.

R	P
Stems	sisal
Bulbs	cassava
Suckers	beans
Seeds	onions.

R	P
(a) Stems
(b) Bulbs
(c) Suckers
(d) Seeds

55. (a) Mention any one part that makes up the outer ear.

 (b) What name is given to the three small bones found in the middle ear?

 (c) Besides hearing, give one other function of the human ear.

 (d) Give the reason why sound messages are transmitted to the brain.

END.

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