

EXAMINATIONS 2019

Primary Seven Integrated Science

Time allowed 2 hours and 15 minutes

Name: _____ **Date:** _____

SECTION A (40 Marks):

1. Name the type of soil suitable for crop growing.

2. To which group of mammals does a rabbit belong?

3. How are ticks a danger to human health?

4. Mention one local breed of goats reared for meat production.

5. State the role of villi in a ileum.

6. Who is a passive smoker?

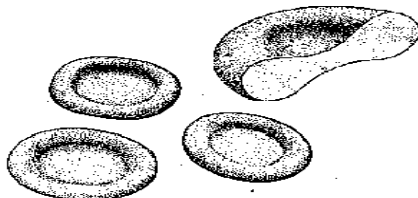
7. What property of air is demonstrated by an inflated bicycle tube?

8. Why is mouth to mouth breathing carried out in victims of near drowning?

9. What happens when a plastic comb that has been rubbed on hair is brought near the pieces of paper?

10. Why do houseflies visit rubbish pits?

11. Point out one disease that affects the blood cell shown below.



12. Write the part of a sweet potato plant that is destroyed by squirrels.

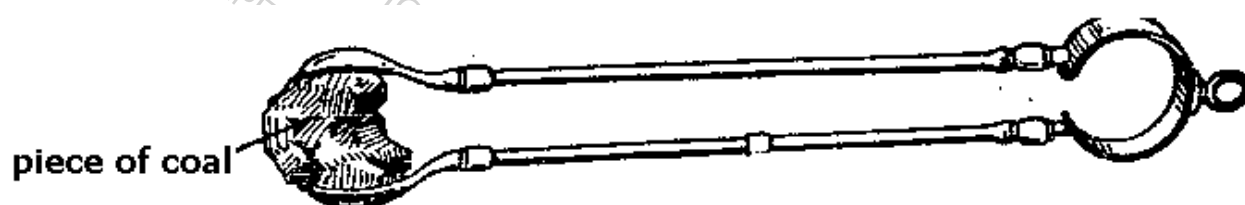
13. Give one characteristic of a gas state of matter.

14. Why are air sacs in lungs able to carry out exchange of gases?

15. What type of farming should a farmer practise so as to harvest both crops and animal products?

16. How can cases of snakebites be reduced in homes?

17. Below is a pair of tongs. Indicate the position of the pivot.



18. Why should a school girl avoid getting pregnant?

19. What term is used to describe a practice where farmer remove some seedlings from areas where they are crowded?

20. How does a flute produce sound?

21. Write one natural source of heat energy.

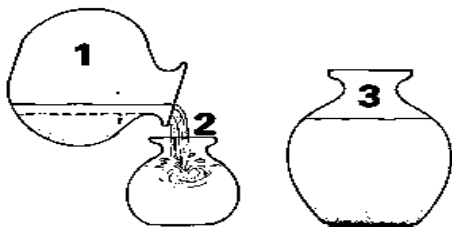
22. Why are parents not charged any money to immunize their children?

23. What gas is necessary for a seed to grow into a seedling?

24. Why are road signs placed along roads?

25. Write RHU in full.

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26. Point out one method of cooking food.
-
27. Apese fetched water and left it to settle. Later, she poured it to another container as shown below. Name the method she used to make water clear.



-
28. Why is a flat iron regarded as an electrical appliance?
-
29. How do plants reduce the amount of carbon dioxide in the atmosphere?
-
30. What is weather?
-
31. Why is an amoeba regarded as a single celled organism?
-
32. Apart from painting, write one other way of preventing iron articles from rusting.
-
33. Which type of mosquito lays eggs as shown below?



-
34. Why would it be dangerous for a boy of ten years to rescue an adult from drowning?
-
35. What makes red blood cells able to carry oxygen?
-
36. Omese usually defecates near water sources. How many germs reach the water source?
-
37. What structures on a birds legs make them similar to tilapia fish?

38. Name one method used when harvesting trees.

39. In the space provided below, draw one of the seed dispersed by animals.

40. How does the brushing of teeth after meals prevent tooth decay?

Section B (60 Marks)

41(a) What are ungulates?

(b) Point out two ways grass benefits from animals.

(i)

(ii)

(c) How is overgrazing dangerous to the soil?

42. **Complete the table below correctly.**

Weather element	Condition	Type of weather
Cloud cover	_____	Cloudy weather
_____	Rainy	Rainy weather
The sun	sunny	_____
wind	_____	Wind weather

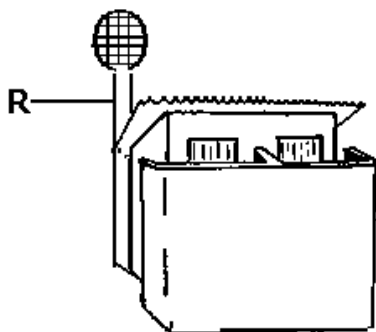
43. Below is a relationship of organisms in an environment.

Beans → grasshopper → chicken → eagle

(a) What is represented by the relationship above?

- (b) Which of the organisms above is a primary consumer?
- (c) Give a reason for your answer.
- (d) What is likely to happen to the number of grasshoppers when beans die?

44. **Below is one of the facilities in a home.**



- (a) Name the facility shown above.
- (b) Point out one waste product that is placed in the facility above.
- (c) How is part marked **R** important in the above facility?
- (d) Mention one disease that can be controlled through proper use of the facility above.

45. State the function of the following in human skeleton.

- (a) tendon
- (b) ligament
- (c) joint
- (d) synovial fluid

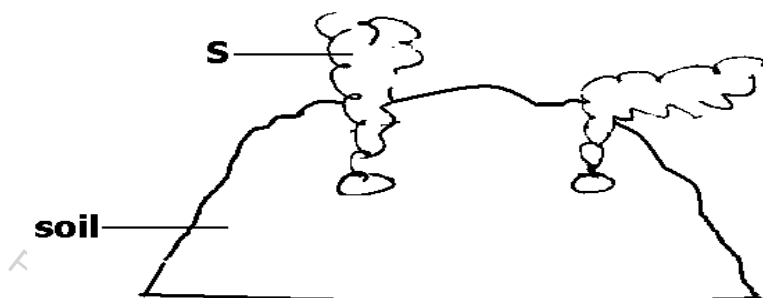
46(a) Give one breed of cattle you would rear for:

- (i) beef production _____
- (ii) milk production _____

(b) What is culling?

(c) Why would a farmer cull animals in his farm?

47. **Below is a charcoal making process.**



(a) From which material is charcoal made?

(b) Name substance marked S.

(c) Why is the material for making charcoal covered with soil?

(d) State one way charcoal making is dangerous to the environment.

48(a) What are conductors of electricity?

(b) Name the form of energy:

(i) produced by dry cells _____

(ii) stored in dry cells _____

(c) How are tall building protected from the effect of lightning?

49(a) What characteristic do cross pollinated flowers have?

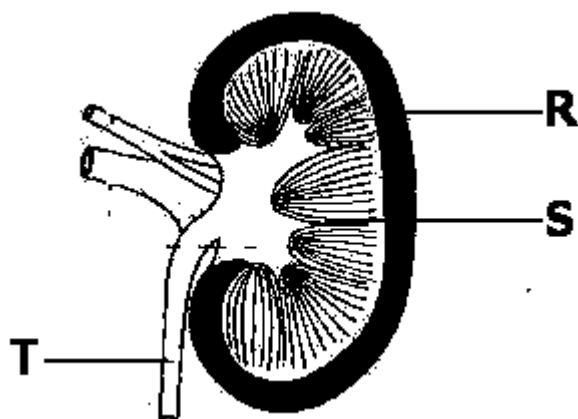
(i) _____

(ii) _____

(b) From which part of a mushroom are spores produced?

(c) Point out one fungal disease among humans.

50. **Below is a section through a kidney.**



(a) State what takes place in parts;

(i) R _____

(ii) S _____

(b) What is carried by part marked T?

(c) Apart from elimination of nitrogenous wastes, how else are kidneys important in one's body?

51(a) What is crop rotation?

(b) Why would you encourage farmers to carry out crop rotation?

(i) _____

(ii) _____

(c) Why should land be cultivated before seeds are planted?

52(a) Which fungus is used in the making of alcohol by fermentation?

(b) How is severe alcoholism a danger to an individual?

(c) Point out two ways one can avoid alcoholism.

(i) _____

(ii) _____

53(a) What are energy resources?

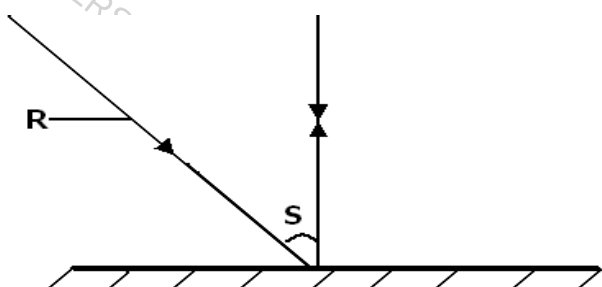
(b) How are the following used as energy resources?

(i) Water

(ii) animals

(c) Point out one human activity that is a danger to animal life.

54. **Below is a diagram showing reflection on a smooth surface.**



(a) Complete the diagram above correctly.

(b) Name:

(i) R _____

(ii) S _____

(c) State one law of reflection.

55(a) What is food taboo?

(b) State one advantage and disadvantage of food taboos to the people in a community.

(i) Advantage

(ii) Disadvantage

(c) Mention the staple food for people in Buganda region.
