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?

_____

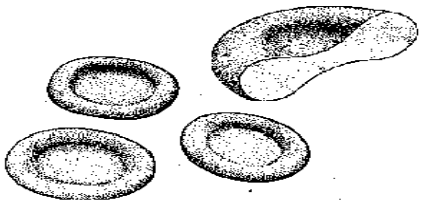
9. What happens when a plastic comb that has been rubbed on hair is brought near the pieces of paper?

_____

10. Why do houseflies visit rubbish pits?

_____

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



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

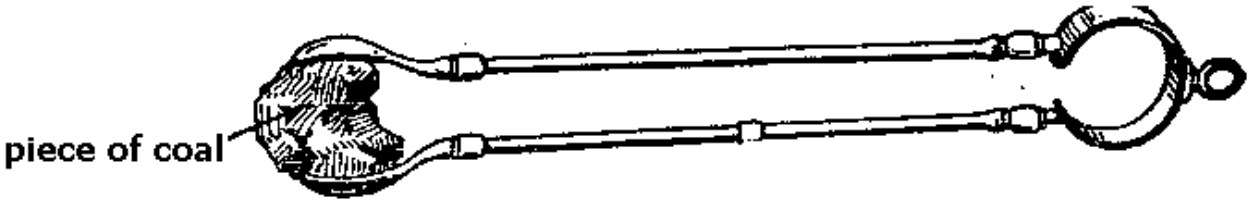
13. Give one characteristic of a gas state of matter.

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

15. What type of farming should a farmer practises 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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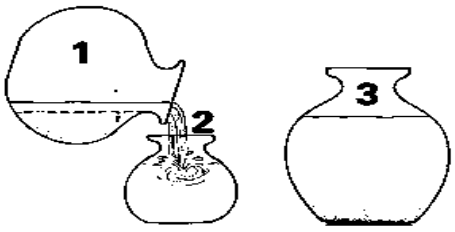
_____

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?

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_____

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?

_____

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Section B (60 Marks)

41(a) What are ungulates?

_____

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

(i) _____

(ii) _____

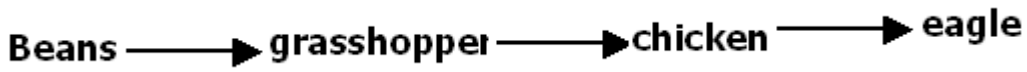
(c) How is overgrazing dangerous to the soil?

_____

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.



(a) What is represented by the relationship above?

_____

(b) Which of the organisms above is a primary consumer?

_____

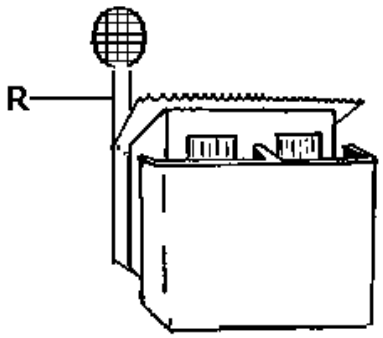
(c) Give a reason for your answer.

_____

(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 _____

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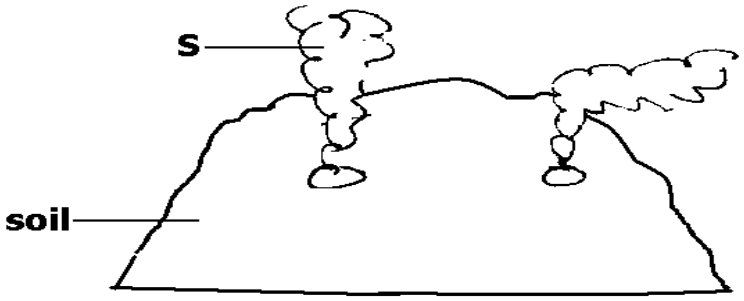
(b) What is culling?

_____

(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.

_____

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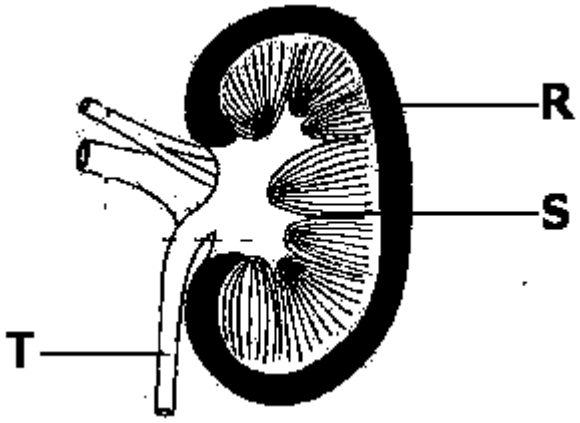
50. **Below is a section through a kidney.**



(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?

_____

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

(i) Water

_____

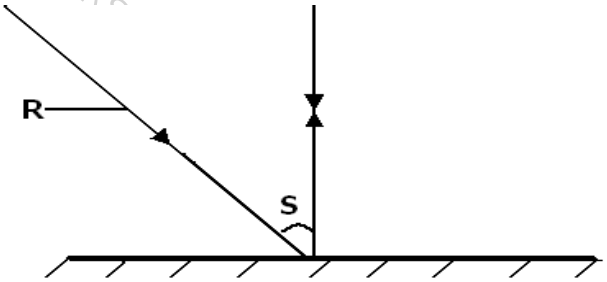
(ii) animals

_____

(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.

_____

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