

BUKOMANSIMBI DISTRICT ACADEMIC BOARD
PRIMARY SEVEN LEAVING MOCK
EXAMINATION- 2022
INTEGRATED SCIENCE

Time: 2hours 15 minutes

School: _____

EMIS No.						Personal No.		

Candidate's Name: _____

Candidate's Signature: _____

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 short questions (40mks)
3. Section B has 15 questions (60marks)
4. Answer all questions.
5. All answers to all questions must be written in the space provided.
6. All answers must be written using **blue** or **black** ball pen or **ink**.
7. Unnecessary crossing of work will lead to loss of marks.
8. Any handwriting that cannot easily be read may lead to loss of marks.
9. Do not fill anything in the boxes indicated **"FOR EXAMINER'S USE ONLY"**

**FOR EXAMINER'S
USE ONLY**

QN. NO.	MARKS	INITIALS
1 - 10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

Turn Over

SECTION A (40 MARKS)

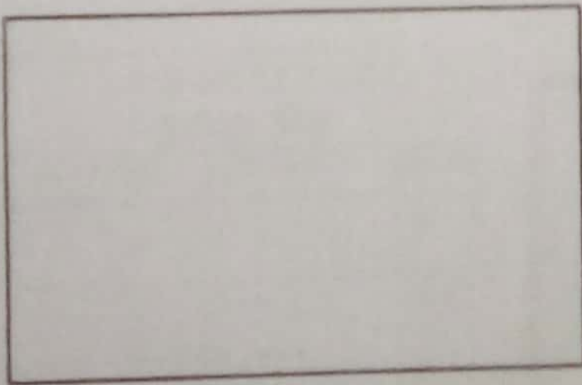
1. Name any **one** animal that provides wool to people.

2. What is the source of energy for plants to make starch?

3. Mention any **one** class of food that is absorbed without being digested in the alimentary canal.

4. Write down any **one** characteristic which differentiates mammals from other vertebrates.

5. In the space below draw a tap root system.



6. Write any **one** use of water at home.

7. How do ponds near homes increase the spread of malaria in an area?

8. Give the similarity between an eagle and a dog in the way they reproduce.

9. Mention any **one** solid that can dissolve in water.

10. Why do you think a potter would choose clay soil for making pots?

11. Give any **one** sign of heat period in cattle management.

12. How are bacteria similar to amoeba in the way they reproduce?

13. State any **one** disease that can spread through eating contaminated food.

14. Give any **one** way of making dirty water clean.

15. Why is oxygen not used in fire extinguishers?

Use the diagram below to answer the questions 16 and 17 that follows



16. Which part of the human skeleton protects the above body organ?

17. State the function of part X.

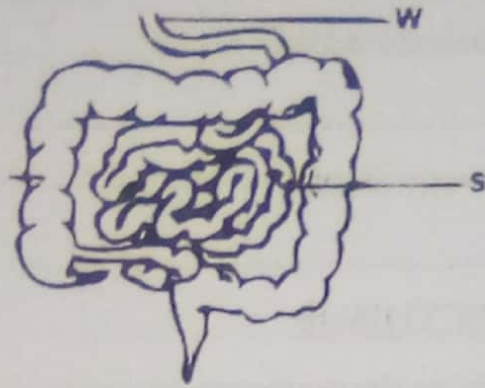
18. Why should sick people be fed on foods rich in proteins?

19. How can you help a farmer to improve on the fertility of his soil?

20. Mention the digestive juice found in the mouth.

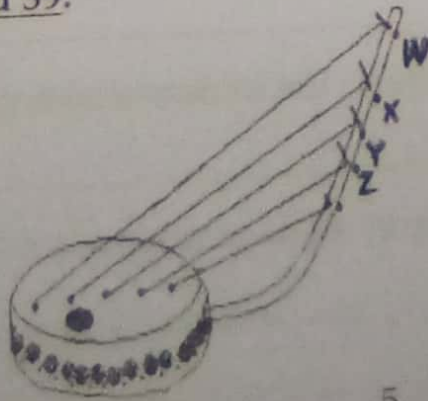
21. Why should a VIP latrine be left open without a cover or lid on the hole?
-
22. What is the use of a chimney on a kitchen?
-
23. Apart from wood shavings, name any **one** other material used as litter in a deep litter house of poultry.
-
24. How is heat energy important in rain formation?
-
25. Which element of P.H.C is promoted through antenatal care?
-
26. Apart from the elderly, mention any **one** other group of vulnerable people.
-
27. How does brushing teeth after a meal prevent tooth decay?
-
28. State any **one** way of conserving non-renewable resources in the environment.
-
29. Identify any **one** health habit that can promote proper working of the heart.
-
30. What does the term **respiration** mean?
-
31. Why should a dust bin in class usually be placed in front?
-
-

The diagram below shows part of the human alimentary canal. Use it to answer questions 32 and 33.



32. How does food move through W.
- _____
33. Identify the digestive process that takes place in part S.
- _____
34. Why is a moon not regarded as a source of light?
- _____
35. Give any **one** disadvantage of practicing free-range system around forested areas.
- _____
36. Where does fertilization take place in a flower?
- _____
37. Which group of plants has root nodules on their root system?
- _____

The diagram below shows a musical instrument. Used it to answer the questions 38 and 39.



38. To which group of musical instruments does the one above belong?

39. Why are the strings not of the same length?

40. State any one benefit of male circumcision.

SECTION: B

41. (a) How does sound travel from the source to the receiver?

- (b) Give two methods of storing sound.
(i) _____
(ii) _____
- (c) Give a reason why sound cannot travel through a vacuum.

42. (a) State the function of each of the following structures in the human skeleton.
(i) Ligament.

(ii) Tendon.

- (b) Give **one** example of a long bone in a human skeleton.

- (c) Name one disease that affects the human skeleton.

43. (a) Name any **two** of the 5Rs in waste management.
(i) _____
(ii) _____

(b) Write down any **two** effects of poor waste management in the environment.

(i) _____

(ii) _____

44. (a) Give **two** reasons for placing utensils on a rack.

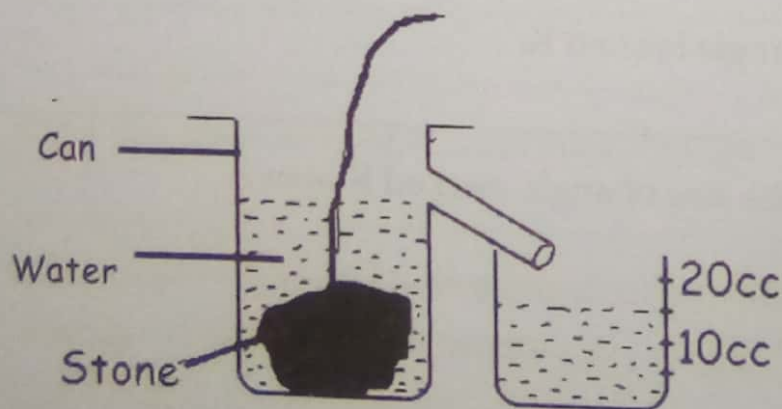
(i) _____

(ii) _____

(b) Why should a rack be constructed with stands at least 1 meter above the ground?

(c) Suggest **one** danger of leaving utensils for a long time outside on a rack.

44. An experiment about volume was done by a P.7 class as shown in the diagram below. Use it to answer the questions that follow.

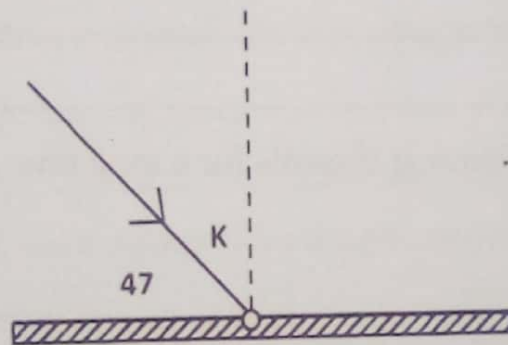


(a) Identify the method that was used in the diagram.

(b) Why was the above method used?

- (c) If the object above had a density of 2g/cm^3 , find its mass.
(2marks)

45. The diagram below shows a ray of light striking a plane mirror. Use it to answer question 46 (a-c).



46. (a) Complete the diagram shown above correctly.
- (b) Name the angle labeled K.
- _____
- (c) Calculate the size of angle marked K above.

- (d) State **one** use of reflection of light in our daily life.
- _____

47. The table below shows different groups of vertebrates. Use it to answer the questions that follow.

A	B	C
Birds	Mammals	Amphibians

- (a) To which group of vertebrates in the table does each of the following belong?
- (i) Bat _____
- (ii) Frog _____
- (b) Give any **one** way in which the reproduction of animals in group B is different from that of animals in group C.

- _____
- _____
- (c) Give any **one** other group of vertebrates which is missing from the table.

48. (a) What is a chemical change?

- _____
- _____
- (b) Give any **one** example of a chemical change

- _____
- (c) Give two ways how a new substance formed by chemical change differs from the original.

(i) _____

(ii) _____

49. (a) State **one** characteristic of communicable diseases.

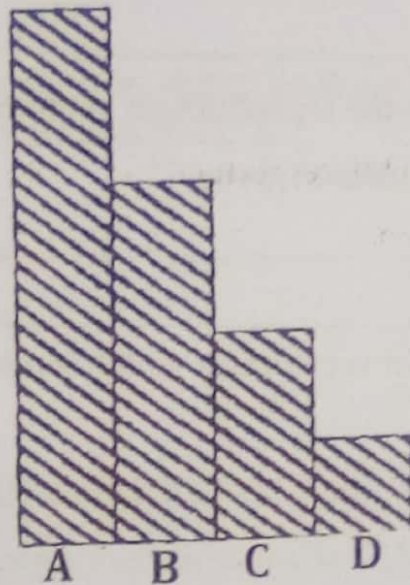
(b) Give **two** examples of communicable diseases?

(i) _____

(ii) _____

(c) State any **one** practice in a community that would help in the control of communicable diseases.

50. The graph below shows components of air. Study it carefully and answer the questions that follow.



(a) Name the gases marked;

A _____

B _____

(b) Which letter on the graph shows gas that supports plant and animal life?

(c) How is gas D useful to a soda factory?

51. How does each of the following animals protect itself against its enemies?

(a) Tortoise _____

(c) Wasp _____

(d) Millipede _____

(e) Chameleon _____

52. (a) Give any **two** common local breeds of cattle kept in Uganda

i) _____

ii) _____

(b) State any **one** advantage of keeping Local breeds of cattle

(c). Suggest any **one** reason why cattle keepers practice cross -
breeding.

53. The diagram below shows an underground stem. Use it to answer questions that follow.



(a) State the type of underground stem shown in the diagram.

(b) State the function of the part labeled C.

(c) Apart from the type of above, mention one other kind of
Underground stems you know.

(d) Name **one** plant propagated by means of stems.

54. (a) Give **two** characteristics of insects pollinated flowers.

i) _____

ii) _____

(b) Why is a moth able to locate flowers at night?

(c) What happens to pollen grains when they land onto the stigma?

55. (a) State any **two** qualities of an essential drug.

i) _____

ii) _____

(b) Give **one** danger of taking expired drugs.

(c) State any **one** way how drugs get spoilt before their expiry date.
