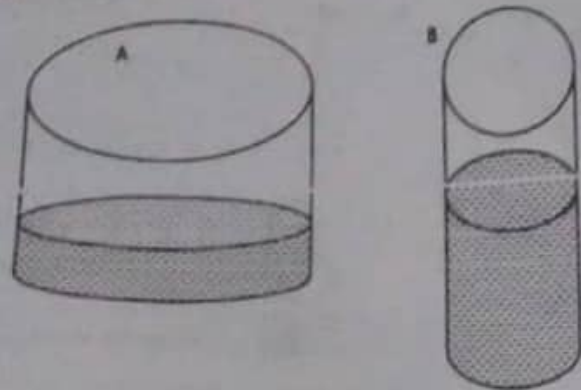


Study the diagram below and use it to answer questions that follow.



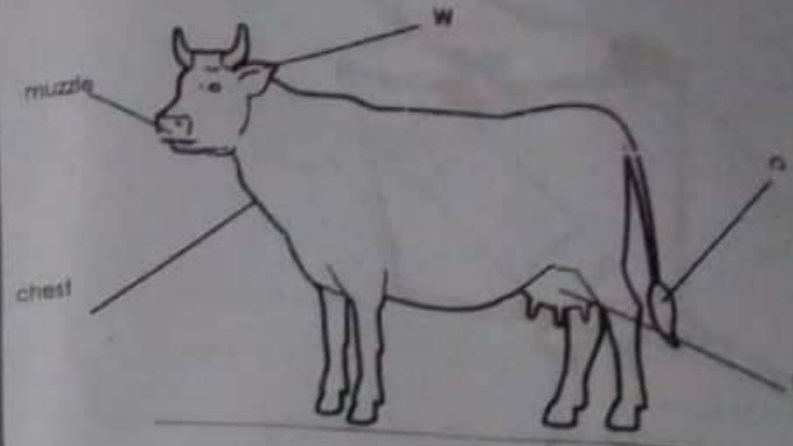
38. If equal amount of hot water was poured in container A and B at the same time, in which container will water dry faster?
39. Name the physical process which will cause reduction of water level in each of the above containers.
40. Name the state of matter where heat travels slowest.

SECTION B

1. a) Name the element of PHC promoted when;
- (i) a P.7 candidate brushes their teeth regularly.
- (ii) pregnant mothers visit antenatal clinics.
- b) How does regular bathing help to keep a P.7 candidate in good health?

Apart from regular bathing, state **one** other way of promoting cleanliness the body.

42. The diagram below shows external parts of a cow. Study it carefully and use it to answer questions that follow.



- a) Name parts labelled P and Q.
- (i) P _____
- (ii) Q _____
- b) In which way is the function of part Q similar to that of W?
- c) What can the owner of the above cow do in order to increase the quantity of milk produced by the cow?
43. a) Give any **two** elements of weather.
- (i) _____
- (ii) _____
- b) Why is rainfall measured in millimetres?
- c) Name any **one** example of a science oriented club in your school.

44. The diagram below shows a property of magnets. Study it carefully and answer questions that follow.



a) Name the property of magnets shown above.

b) How is the above property useful in our daily life?

c) Apart from lodestone, give **one** other example of natural magnet.

d) In which way can **one** prevent magnets from becoming weaker?

45. a) How does heat travel in each of the following states of matter?

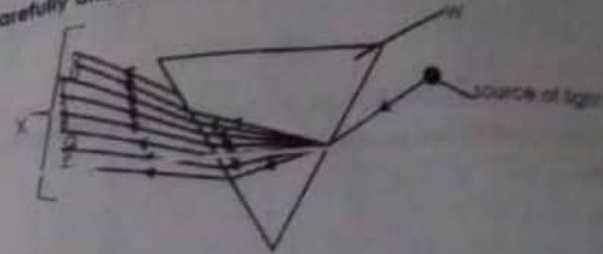
(i) solids _____

(ii) liquids _____

b) Why are molecules more closely packed in solids than in liquids and gases?

c) How can a P.7 candidate make use of heat energy to promote personal hygiene?

46. The diagram below shows the effect of an inverted prism on white light. Study it carefully and answer questions that follow.



a) Name the colours labelled:

(i) V _____

(ii) Q _____

b) State the role of part W during the formation of part X.

c) In which **one** way can refraction be harmful to fishermen?

47. a) Name any **one** device used to store sound.

b) Simon was standing across the valley, which was 660m away from the cliff. He shouts, how long will it take to hear the echo? Given speed of sound in air 330m/s. (2 marks)

c) State **one** way of reducing echoes in studios.

48. a) How are the following animals able to move from one place to another?

(i) snake _____

(ii) fish _____

b) why do some animals move from one place to another?

c) what problem will be faced by a fish if a fisherman gets it and cuts off all its fin?

49. The table below shows conditions that are necessary for germination to take place. Study it carefully and answer questions.

Condition	A	B	C	D
Moisture	x	✓	✓	✓
Oxygen	✓	x	✓	✓
Warmth	✓	✓	✓	x

Key:

✓ - condition present

x - condition absent

a) identify **one** condition which was present in test tube **B** and **D**.

b) Give **one** main reason why seeds in test tube **D** did not germinate.

c) In which test tube will the seeds germinate?

d) Give a reason for your answer in (c) above.

50. Name **one** important process that takes place in each of the following parts of the digestive system.

(i) stomach _____

(ii) ileum _____

b) Why is the pancreas and the liver not considered as part of the alimentary canal and yet they are regarded as parts of the digestive system?

d) State any **one** way of caring for your digestive system.

53. Match the farm practices to their meaning.

- | | |
|--------------------|---|
| (i) Gap filling | Removal of excess and poor growing seedling. |
| (ii) seed dormancy | Giving extra support to plants with weak stems. |
| (iii) staking | Inability of seeds to germinate. |
| (iv) thinning | Planting seeds or seedlings where they did not germinate. |

- (i) Gap filling _____
- (ii) seed dormancy _____
- (iii) staking _____
- (iv) thinning _____

54. In four sentences, explain how you can make local soil if given dry banana peeling or dry pods of beans, a perforated container and a small bucket.

- (i) _____
- _____
- _____
- (ii) _____
- _____
- _____
- (iii) _____
- _____
- _____
- (iv) _____
- _____
- _____

55. Name the young one for each of the following animals;

- (i) Rabbit _____
- (ii) Kangaroo _____
- b) Give any one benefit of proper housing of animals.
- _____
- _____

c) Give any one advantage of rearing rabbits to cattle by a farmer.

SECTION A: (40 Marks)

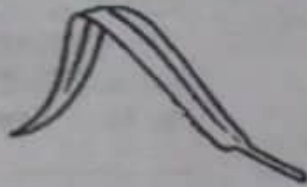
1. Name **one** plant material that can be used for mulching.

2. Apart from letting out warm air, give **one** other use of windows to people in a house.

3. Why is it easier to harvest cassava by uprooting during rainy season than dry season?

4. P.7 boys usually sweat after playing football. How is that practice beneficial to them?

The diagram below show a simple leaf. Study it carefully and use it to answer questions 5 and 6.



5. Name it.

6. Give any **one** plant with such a leaf.

7. How can a farmer who rears one goat control heart water disease on his farm?

8. Why does an inflated balloon float in air when released?

9. Mention any **one** material used for making gloves.

10. Why is the stomach damaged by excessive drinking of alcohol?

11. Name any **one** foreign body that can enter our eyes.

The diagram below shows a method of harvesting trees. Study it carefully and use it to answer questions.



12. Name the above method.

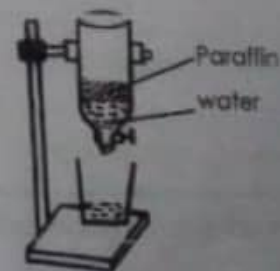
13. Give any **one** advantage of harvesting tree using the above method.

14. Why is wood not used for making saucepans?

15. Give any **one** reason why people iron clothes.

16. In Nkeke P/S, a P.3 boy was found playing near fire place, accidentally, his pair of shorts caught fire and started burning. A teacher saw and decided to cover the boy with a thick blanket, fire went off. How did the blanket stop fire?

The diagram below shows a method used to separate mixtures. Study it and use it to answer questions 17 and 18.



BUIKWE DISTRICT ACADEMIC BOARD

MOCK ASSESSMENT

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.					Personal No.		

Candidate's Name:

Candidate's Signature:

District ID:

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Read the following instructions carefully:

1. Do not write your school or district name on the paper.
2. This paper has two sections: A and B. Section A has 40 questions (40marks) and section B has 15 questions (60 marks).
3. Answer **all** questions. All answers for both sections A and B must be written in the spaces provided.
4. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: "For Examiners' use only" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
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		

Turn Over

17. Name the method above.

18. Why is the above method used to separate mixtures of paraffin and water?

19. How does a clay made charcoal stove conserve wood fuel?

20. In which **one** way can a crop farmer control the growth of weeds in the garden without using chemicals?

21. How is the skin similar to kidneys in terms of function?

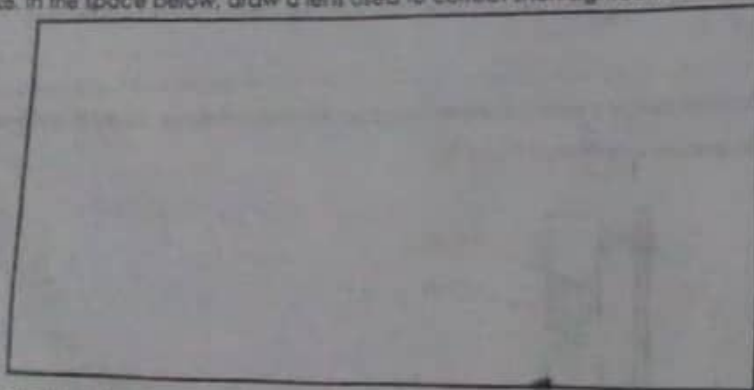
22. Apart from polio vaccines, give **one** other vaccine that can be given to children at birth.

23. Give **one** use of leaves to a plant.

24. How can rabbit farmers prevent their rabbits from burrowing into the soil?

25. Why do people who use electricity at home usually switch off lights during day?

26. In the space below, draw a lens used to correct short sightedness.



State the role of soap in the process of washing hands before eating.

Study the diagram of a simple machine and use it to answer questions 28 and 29.



28. Using a line segment and letter E, show the position of the effort.

29. To which class of lever does the above machine belong?

30. Mention any **one** human activity which can make water unsafe for drinking.

31. Name any **one** material which bees get from plants.

32. Name the chemical change that enables people to make alcohol.

33. Name the type of cloud that appears nearest.

34. Give **one** way boys can manage body changes brought about by growth.

35. Why is water added to a compost heap during the making of compost manure?

36. How is maize propagated?

37. How is a sunbird similar to a spiny ant eater in the way they reproduce?