

SHEEMA DISTRICT EXAMINATIONS BOARD

PRIMARY SEVEN ENTRANCE 2022

INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Candidate's Name.....

Candidate's Signature.....

School Name:

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**.
Section **A** has 40 questions and
Section **B** has 15 questions (60 marks)
2. Answer **ALL** questions in Section **A** and
Section **B**. Answers must be written in
the spaces provided.
3. All answers must be written using a blue
or black ball-point pen or ink. Only
diagrams may be done in pencil.
4. Unnecessary changes in your work may
lead to loss of marks.
5. Any handwriting that cannot easily be
read may lead to loss of marks.
6. Do not fill any thing in the table
indicated; "For Examiners' use only"
and boxes inside the papers.

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

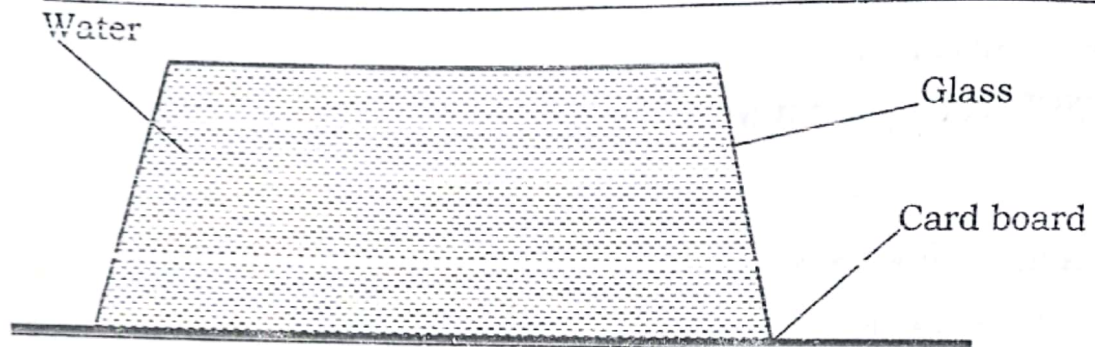
1. State one way of preventing iron metals from rusting.

2. Name the component of air used by green plants for photosynthesis.

3. How can a P.6 child promote sanitation in a school?

4. Write one way of improving the quality of local breeds of goats.

5. Which property of air is illustrated below?



6. Name the type of soil that helps in making ceramics.

7. Name the vector that spreads bilharziasis.

8. How are maggots useful in a pit latrine?

9. How do bacteria reproduce?

10. Name the disease of cattle that affects udder

11. Write one example of commonly abused drugs.

12. State the importance of cilia found in the nose.

13. What type of change takes place when a candle wax melts?

14. Write any one way of controlling weeds in a garden.

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15. What does the bird with such beak below feed on?



16. State the importance of ventilators on a house
17. Write down one cause of soil erosion
18. State one way of caring for digestive system
19. Which part of clinical thermometer prevents the back flow of mercury?
20. How is a maize plant different from Moss plant in terms of reproduction
21. Give a reason for keeping beef cattle
22. Name the hardest part of tooth.
23. Write any one example of a perennial crop.
24. State one disorder of reproductive system.
25. Give any one reason why people drink alcohol
26. How can a P.6 Pupil promote immunization programme in the Community.
27. Convert 50°C to $^{\circ}\text{F}$.

28. State the importance of the garden tool shown below.



29. How does a crop farmer benefit from bees kept near his farm?

30. Write any one characteristic of seeds dispensed by wind.

1. Name the component of blood affected by plasmodia parasites.

2. Why is transplanting of seedling done in the evening?

Mention any one tick-borne disease in cattle.

Name the type of immunity possessed by a baby from a mother at birth.

How are root nodules of leguminous crops important?

Why is it dangerous for a school going child to get involved in sexual intercourse?

State any one negative effect of food taboo in a home.

Name the main source of heat on earth.

Which element of PHC is promoted through feeding on a balanced diet?

Name one disease of rabbits that affects poultry.

SECTION B.

a) Write any two causes of dehydration.

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- ii) _____
- b) State any one mineral salt lost during excessive diarrhoea

- c) Why is dehydrated person given ORS?

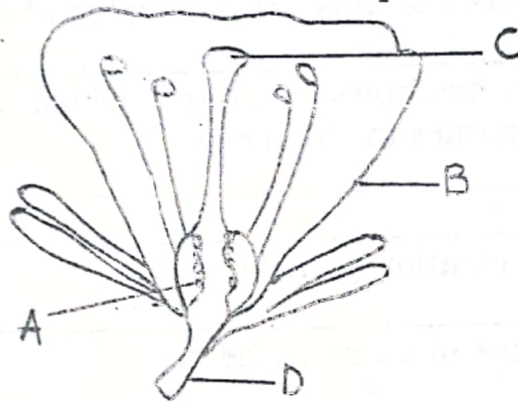
42 a) State any two Natural methods of family planning.

- (i) _____
- (ii) _____

b) Give any one reason why some parents produce many children.

c) Write any one disadvantage of producing many children.

43. Use the diagram below to answer the questions that follow



(a) Name the parts labeled

(i) B _____

(ii) D _____

(b) Which process takes place in Part A _____

(c) What is the function of Part C? _____

4 a) write any two components of circulatory system

(i) _____

(ii) _____

(b) Name any one disease of circulatory system.

(d) State the functional difference between veins and arteries.

45 a) Which type of bee develops from unfertilized eggs.

b) State any one cause of swarming in bees.

c) Which food value do we get from eating honey?

d) Identify any one method of extracting honey.

46a) Complete the illustration below.



b) Which type of metamorphosis is illustrated above?

c) Outline any two examples of insects which undergo the type of metamorphosis names in "b" above.

i) _____

ii) _____

47a) How long is the gestation period of a sow?

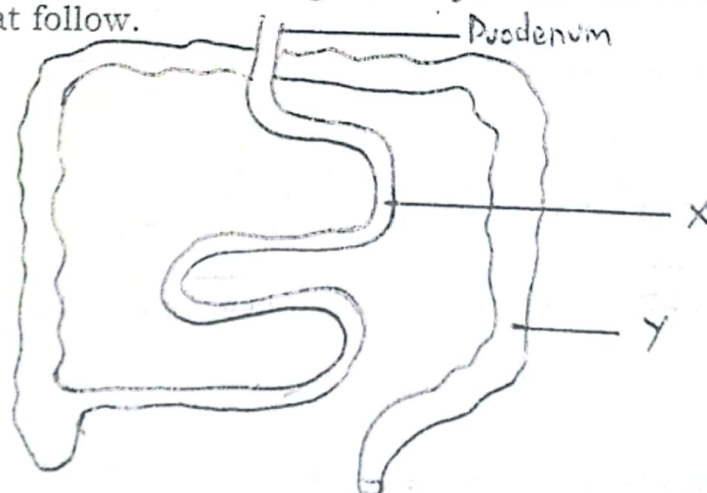
(b) State any two signs of a sow on heat.

i) _____

ii) _____

c) Give one reason why some farmers prefer keeping local breeds of pigs to exotic breeds of pigs.

48. The illustration below is of a digestive system. Use it to answer the questions that follow.



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5

(a) Name the Part marked ()

(i) X _____

(ii) Y _____

b) Which important process takes place in part X?

c) State one good health habit for the proper working of digestive system.

49 a) what are renewable resources?

b) Give any two examples of renewable resources.

(i) _____ (ii) _____

c) State any one way of conserving plants.

50 a) Give any two examples of root tubers

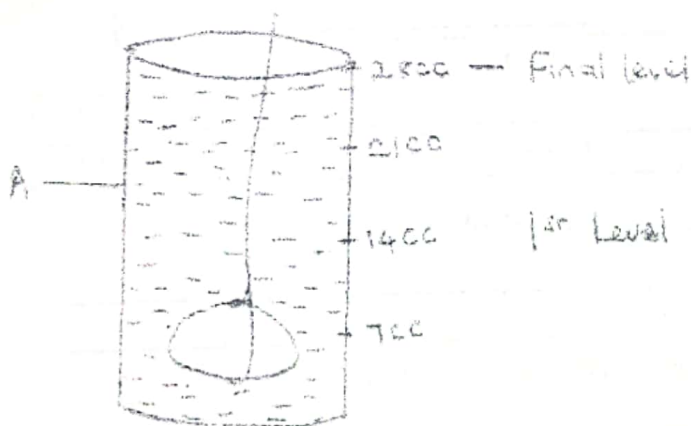
i) _____

ii) _____

b) Identify any one example of root tuber pest.

c) State any one way of controlling root tuber pest.

51. Use the diagram below to answer the questions that follow.



(a) Name the container marked "A"

(b) Which method of finding volume is illustrated above?

(c) Find the volume of the stone

(2mks)

52 a) Name any two components of a first aid box

i) _____

ii) _____

b) Give any two reasons for giving first aid

i) _____

ii) _____

53. Match the words in list A with those in list B correctly.

A

i) Vent pipe

ii) Screen

iii) Spiral wall

iv) Open squat hole

B

- lets fresh air into a pit

- Allows free circulation of air

- Takes out bad smelly air

- Traps flies until they die

i) Vent pipe

ii) Screen

iii) Spiral wall

iv) Open squat hole

54. Complete the table below by filling the missing words correctly.

Group of birds	Example
Birds of prey	_____
_____	Swan
Flightless bird	_____
_____	Parrot

55a) Write any two examples of physical changes

i) _____

ii) _____

b) Outline any two characteristics of chemical changes.

i) _____

ii) _____

END

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