

# NAMAGUNGA PRIMARY BOARDING SCHOOL

## BEGINNING OF TERM III EXAMINATION - 2022

### INTEGRATED SCIENCE

#### PRIMARY SIX

Time allowed:

2 Hours 15 Minutes

Name: ..... Stream: .....

Read the following instructions carefully.

1. This paper has two sections: **A** and **B**.
2. Section **A** has **40** questions (40 marks)
3. Section **B** has **15** questions (60 marks)
4. Answer **all** questions. All answers to both sections **A** and **B** must be written in spaces provided.
5. All answers must be clearly written using **blue** or **black** ball point pen or ink.
6. Unnecessary changes of work may lead to loss of marks.
7. Any handwriting that cannot be easily read, may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated for official use only.

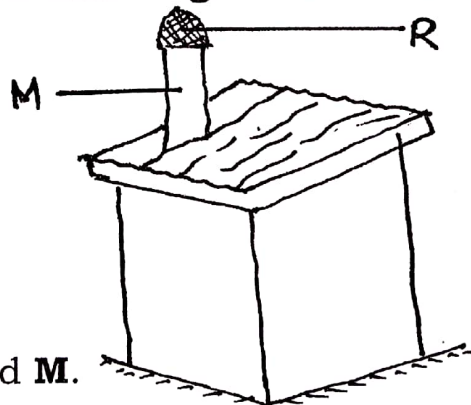
FOR EXAMINERS' USE ONLY

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		

**SECTION: A (40 MARKS)**

1. Name the type of soil with very fine particles.  
.....
2. Give any one way of caring for crops in the garden.  
.....
3. How do bacteria reproduce?  
.....
4. Apart from painting, state any one other way of preventing rusting in metals.  
.....
5. How is the feeding of a hookworm different from that of a tape worm?  
.....
6. In which way is chlorophyll important during photosynthesis?  
.....
7. Name the breed of goats kept for mohair.  
.....

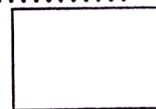
**Below is the diagram showing a VIP latrine. Use it to answer questions 8 and 9.**



8. Name part marked **M**.  
.....
9. How is part **R** important on a VIP latrine?  
.....

10. In which way are bacteria important in the formation of soil?

.....



11. Which sense enables a P.6 pupil to get the sound of a bell?

.....

12. Mention the property of air that enables a nurse to inject medicine into the patient's body.

.....

13. Name the method used to separate husks from cereal grains.

.....

14. Mention one communicable disease that spreads through insect bite?

.....

15. Why do some farmers prefer keeping local breeds of goats to exotic ones?

.....

16. State the role of saliva in the process of digestion.

.....

17. Mention one way of caring for our teeth.

.....

18. In which way is record keeping important to cattle farmers?

.....

**The diagram below shows a garden tool. Use it to answer questions 19 and 20.**

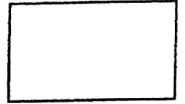


19. Name the garden tool shown above.

.....

20. How is the garden tool above useful to a tomato grower?

.....



21. Name the fungi used in bakeries.

.....

22. State one way of controlling poisoning in homes.

.....

23. State the importance of the heart in the human body.

.....

24. How do farmers control dampness in poultry houses?

.....

25. Give one method of controlling weeds in a garden.

.....

26. State any one feature that can be used to distinguish a hen from a cock.

.....

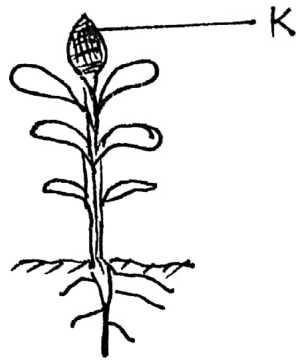
27. Name the food deficiency disease caused due to lack of vitamin B<sub>1</sub> in the diet.

.....

28. Mention one immunisable disease caused by bacteria.

.....

The diagram below shows a moss plant. Use it to answer questions 29 and 30.

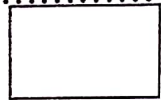


29. Name the part of the plant marked **K**.

.....

30. How does the plant above reproduce?

.....



31. Why are laying boxes usually put in dark corners in a poultry house?

.....

32. How are molar teeth important in the digestion of food?

.....

33. Why is heat transfer in gases faster than in solids?

.....

34. Mention one viral disease in cattle.

.....

35. In which way are trees important in our environment?

.....

36. Name the vector that spreads river blindness.

.....



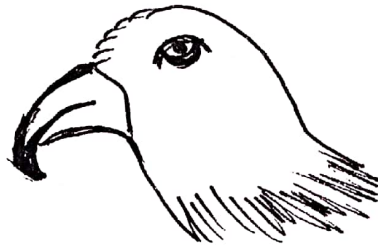
37. In which way are amphibians similar to reptiles in the way they reproduce?

.....

38. Why is it dangerous to set a bee hive near a school?

.....

**The diagram below shows a beak of a bird. Use it to answer questions 39 and 40.**

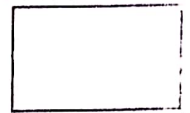


39. Name any one bird with such a beak.

.....

40. How useful is the beak shown in the diagram above to such birds?

.....



**SECTION: B (60 MARKS)**

41 (a) Name the disease which is prevented using;

(i) DPT vaccine .....

(ii) Polio vaccine .....

(b) Give any two ways of acquiring natural immunity.

(i) .....

(ii) .....

42 (a) Mention any two structures found on a cattle farm.

(i) .....

(ii) .....

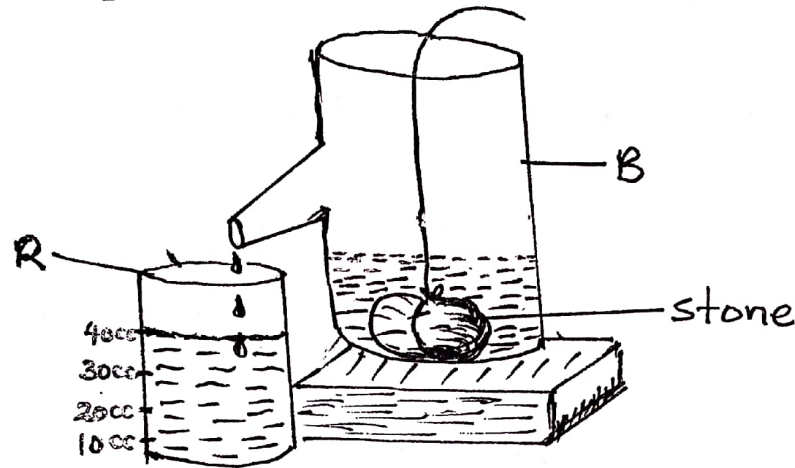
(b) Name any one cattle product.

.....

(c) Give any one way of controlling the spread of diseases in cattle.

.....

43. The diagram below shows a method of finding the volume of irregular shaped objects. Use it to answer questions that follow.



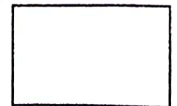
(a) Name the instruments marked

i) B- ..... ii) R- .....

(b) What is the volume of the stone above?

(c) Give a reason why the level of water in B reduced after placing the stone in it.

.....



44 (a) Name one root tuber.

.....

(b) Mention any one way of harvesting root tuber crops.

.....

(c) Mention any two ways of caring for root crops in the garden.

i).....

ii) .....

45(a) Name the best food for babies.

.....

(b) Give two factors that lead to bottle feeding in babies.

i) .....

ii) .....

(c) Give any one disadvantage of bottle feeding to a baby.

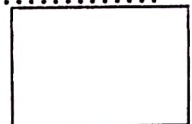
.....

46(a) Name two examples of exotic breeds of chicken?

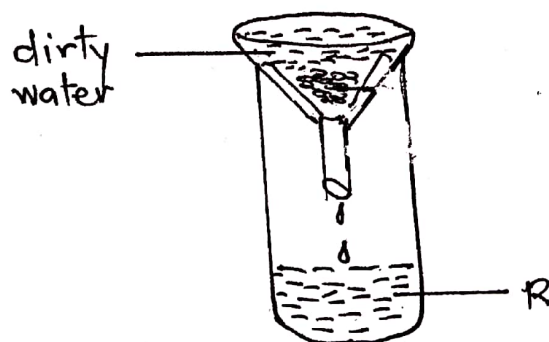
i) ..... ii).....

(b) Apart from broilers, mention other two types of chicken.

i) ..... ii).....



47. **The diagram below shows a method of making water clean.**  
**Use it to answer questions that follow.**



(a) Name the content marked **R**.

.....



(b) In which way is the method shown above used at home?  
.....

(c) Apart from the method shown above, give any two other methods of preparing water for use.

i) ..... ii).....

48 (a) Give any one agent of soil erosion.  
.....

(b) Mention one cause of soil erosion.  
.....

(c) State two methods of controlling soil erosion in hilly areas.

i).....

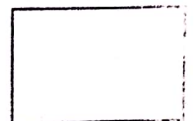
ii) .....

49 (a) Name the cold blooded vertebrate without legs which lives on land.  
.....

(b) To which group of cold blooded vertebrates does the animal you have mentioned above in (a) belong.  
.....

(c) Mention any two other examples of cold-blooded vertebrates that belong to the group in (b) above.

i)..... ii).....



50 (a) Name any two diseases spread by mosquitoes.

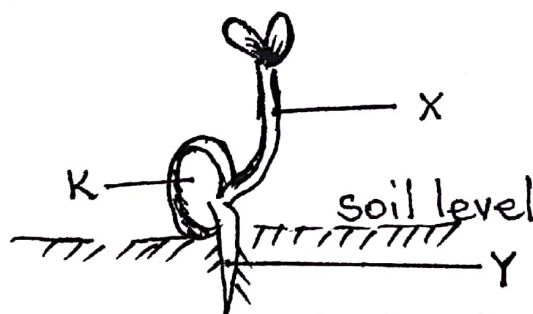
i)..... ii) .....

(b) Give any two ways of preventing the diseases you have mentioned in No. 50(a) above.

(i) .....

(ii) .....

51. The diagram below shows a germinating bean seed. Study and answer questions that follow.



- (a) Mention the type of germination shown in the diagram above.

.....

- (b) Name part marked **K**.

.....

- (c) State the part of a seed embryo from which part **X** develops.

.....

- (d) Why did part **Y** come out first during the germination of the above seed?

.....

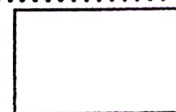
- 52 (a) Mention any two fungal diseases in people.

i)..... ii).....

- (b) State any two ways of controlling fungal diseases in people.

(i).....

(ii) .....



- 53(a) Mention two activities done to maintain sanitation at home.

(i) .....

(ii) .....

- (b) How are the following useful in a home.

(i) washing line .....

(ii) rubbish pit .....

54(a) Apart from ironing clothes, give any other two steps involved in washing clothes.

(i) .....

(ii) .....

(b) Give two parasites that are killed by ironing clothes.

i).....

ii).....

55. Match the animals in **A** with their breathing organs in **B**.

**A**

**B**

Nile perch

moist skin

Housefly

lungs

Earthworm

gills

Monkey

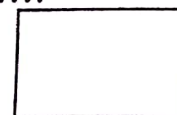
spiracles

(i) Nile perch - .....

(ii) Housefly - .....

(iii) Earthworm- .....

(iv) Monkey - .....



**END**