

# SIR APOLLO KAGGWA SCHOOLS SINCE 1996

HUE TEST IV TERM 3, 2022

PRIMARY SEVEN

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No.

EMIS NO.					Personal No.				

Candidate's Name: \_\_\_\_\_

Candidate's Signature: \_\_\_\_\_

District Name: \_\_\_\_\_

School Name: \_\_\_\_\_

Read the following instructions carefully:

1. The 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 the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing 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 Examiner's use only.

## FOR EXAMINER'S USE ONLY

Qn. No	MARK	SIGN
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

Answer **all** questions in this section  
Questions **1** to **40** carry one mark each

1. Give any **one** sign of simple fracture.

.....

2. Name the digestive juice found in the stomach.

.....

3. Write down any **one** disadvantage of artificial methods of family planning.

.....

4. In which **one** way are bacteria useful in the environment?

.....

5. Write any **one** element of Primary Health Care (PHC)

.....

The diagram below shows a beak and the foot of a bird. Use it to answer the questions **6** and **7**.



6. Name the group of birds that has the shown type of beak and foot.

.....

7. How is the above group of birds useful in our environment?

.....

8. How is dew formed?

.....

9. What type of blood vessels have thick walls and narrow lumen?

.....

10. Write **one** piece of advice you would give to a mother whose child has swollen potbelly, growing thin and face like that of old very person.

.....

11. Why do crop farmers cut off the leaves of banana suckers when planting?

.....

12. Why does a boat float on water?

.....

13. Mention any **one** effect of alcoholism to a family.

.....

14. How is a moss plant similar to a mould in the way they reproduce?

.....

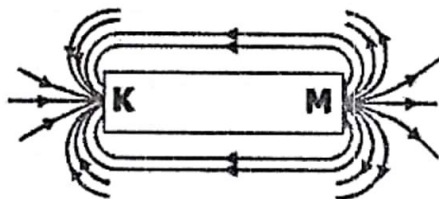
15. State any **one** the spread of HIV/AIDS can be controlled among the members of a community.

.....

16. Give any **one** way in which Young Farmers Clubs in primary schools are important to people in the community.

.....

The diagram below shows a property of magnets. Study and use it to answer questions **17** and **18**.



17. Identify the pole **K** of the magnet.

.....

18. State the property of magnets shown in the diagram above.

.....

19. Mention any **one** process which reduces the amount of oxygen in the atmosphere.

.....

20. Why are sweet potatoes and cassava classified as root tuber crops?

.....

21. Write any **one** way of safeguarding against the dangers of lightning.

.....

22. State any **one** way white blood cells defend the human body against germs?

.....

23. How does a bee and a bean plant benefit from each other in the environment?

.....

24. In which way is a strip cup useful in a dairy farm?

.....

25. Write any **one** method of making water safe for drinking besides boiling.

.....

26. How are ventilators important on house?

.....

27. Which part of a clinical thermometer prevents the backflow of mercury when measuring the body temperature of a patient?

.....

28. What is the importance of prop roots to a maize plant?

.....

29. Write down any **one** condition necessary for germination of seeds.

.....

30. Why is it not advisable to put out petroleum fire using water?

.....

31. Mention any **one** characteristic common to all living things.

.....

32. How do hookworms enter into the human body?

.....



33. Which part of the female reproductive system produces ova and progesterone hormone?

.....

The diagram below shows the immunisation sites on a baby. Study it carefully and answer the questions 34, 35 and 36.



34. Which vaccine is administered through part **P**?

.....

35. Apart from DPT, give **one** other vaccine administered through part **R**.

.....

36. State any **one** sign of the immunisable disease whose vaccine is administered through part **Q**.

.....

37. Give any **one** way of using wind as an energy resource.

.....

38. In which **one** way is keeping the environment clean important?

.....

39. Why are mothers encouraged to wean their breastfeeding babies at the age of six (6) months?

.....

40. State any **one** way of caring for sick people at home?

.....

**SECTION B: 60 MARKS**

Questions **41** to **55** carry four marks each

41. a) Which poisonous substance in tobacco causes lung cancer?

.....

b) Name **one** other respiratory illness cause by tobacco smoking.

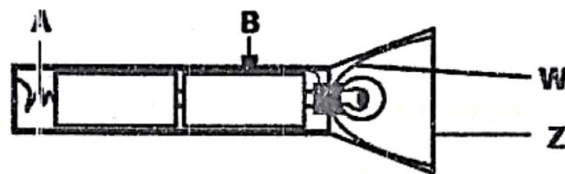
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c) Apart from causing respiratory illnesses, give any **two** other effects of tobacco smoking to an individual.

i) .....

ii) .....

42. The diagram below is of a dry cell powered torch. Study carefully and use it to answer the questions that follow.



a) Name part labeled **A**.

.....

b) Give the function of part labeled **B** and **W**.

i) **B** .....

ii) **W** .....

c) Why is part labelled **Z** made of a transparent glass?

.....

43. a) Apart from deforestation, list **two** other human activities that degrade the environment.

i) .....

ii) .....

b) Write down any **two** effects of deforestation to the environment.

i) .....

ii) .....

44. a) Define the term photosynthesis.

.....

b) In which part of plant does photosynthesis mainly occur?

.....

c) Name the by-product of photosynthesis.

.....

d) How are the animals helpful in the process of photosynthesis?

.....

45. a) State any **one** factor that affects friction.

.....

b) How does each of the following help to reduce friction;

i) Ball bearings .....

ii) Grease .....

c) Write down any **one** way in which friction is a nuisance.

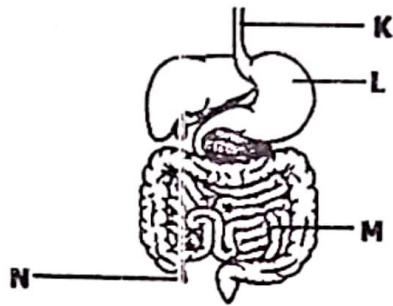
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46. The table below shows rabbit diseases, their causes and common signs. Study the table and complete it correctly.

Rabbit disease	Cause	Sign of disease
Ear canker	.....	Wounds on the ears
.....	Protozoa	Blood stained diarrhoea
Pneumonia	.....	.....



47. The diagram below shows part of a human digestive system. Study carefully and use it to answer the questions that follow.



- a) Name part labeled with letter **N**.
- .....
- b) Give any **two** adaptations of part **M** to its function of food absorption.
- i) .....
- ii) .....
- c) By what process does food move through part **K** into part **L**?
- .....
48. a) Name any **one** example of a;
- i) reptile that has a body shell .....
- ii) sea mammal .....
- b) State any **two** differences between reptiles and mammals.
- i) .....
- .....
- ii) .....
- .....
49. a) Mention any **two** examples of foreign bodies that may enter one's eyes.
- i) .....
- ii) .....
- b) What First Aid can you give a person who has foreign body in the eye?
- .....



m. Stu  
c) State any **one** effect of foreign bodies to humans.  
.....

50. Give any **two** advantage of each of the following crop growing practices

a) Pruning

i) .....

ii) .....

b) Mulching

i) .....

ii) .....

51. a) In which state of matter does sound travel fastest?

.....

b) List any **two** other factors that affect the pitch of sound.

i) .....

ii) .....

c) Write any **one** way in which sound can be stored.

.....

52. a) Mention any **one** traditional method of preserving food.

.....

b) Why are people encouraged to preserve food in their homes?

.....

c) Write any **one** way through which food gets contaminated in our homes.

.....

d) State any **one** way of promoting food hygiene in our homes.

.....

53. The diagram below shows how particles are arranged in different types of soil. Study it carefully and answer the questions that follow.



- a) Identify the type of soil **X**.  
.....
- b) Give any **two** characteristics of the soil type **W**.  
i) .....  
ii) .....
- c) State any **one** way in which people make use of the soil **Y**.  
.....
54. a) Name any **one** parasite that is controlling by dipping cattle in acaricides.  
.....
- b) Apart from dipping, in which other way can the above parasite be controlled?  
.....
- c) Give a reason why cattle farmers carry each of the following practices.  
i) Castration .....  
ii) Dehorning .....
55. a) Name any **one** example of long bone and flat bone that make up the human skeleton.  
i) Long bone .....  
ii) Flat bone .....
- b) Mention any **one** disorder of the human skeleton.  
.....
- c) State any **one** function of the human skeleton.  
.....

THE END