

KOLFRAM EDUCATIONAL SERVICES KAMPALA



BEGINNING OF TERM ONE EXAMINATION 2024

PRIMARY SEVEN INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index Number:

Random Number						Personal Number		

Candidate's Name:

Candidate's Signature:

School Name:

District Name:

DO NOT OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO

Read and follow these instructions carefully:

1. This paper has **two** sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **10** printed pages.
2. Answer **all** questions. **All** answers to both sections A and B must be shown in the spaces provided.
3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any answer written in pencils other than on graphs and diagrams will **not** be marked.
4. No calculators or **electronic** pens are allowed in the examination room.
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 EXAMINER'S USE ONLY

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

Turn Over

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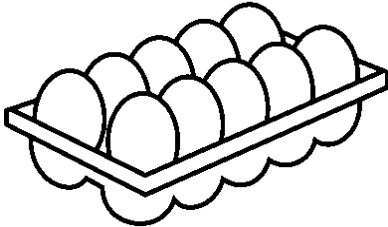
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SECTION A: 40 MARKS

(Questions 1 to 40 carry **one mark** each.)

1. Name the body part of the sheep used for breathing.

2. Name the poultry product shown below.



3. Why is carbon dioxide gas sealed in soda bottles?

The diagram below is of a head of a bird. Use it to answer question 4.



4. What does a bird with this type of beak eat?

5. How is tooth clipping important in pigs?

6. Why are we advised to wash hands after visiting a latrine?

7. State the injury that results from tearing of muscles.

8. Why is a mosquito regarded to as a disease vector?

9. State any **one** way people can control the spread of water borne diseases in their communities.

10. Which part of the human ear equalizes pressure in and outside the ear?

11. Give a reason why bottle milk does not contain anti bodies

12. Give **one** reason why adolescents are advised to shave hair under their armpits.

13. Name the method used in separating water from alcohol.

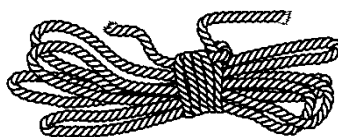
14. What type of reflection enables drivers to see what is behind their vehicles?

15. Why do some objects float on top of water?

16. Name the immunisable disease which attacks the lungs, bones, joints and brain

17. Give **one** disadvantage of bottle feeding to a baby.

The diagram below is of a rope. Use it to answer the questions that follow.



18. How important is the item above to the animal farmers?

19. Why is friction referred to as the natural source of heat?

20. Name the disease of the digestive system which leads to swelling of the appendix

21. Why is the salivary amylase inactive when it reaches in the stomach?

22. How does a person get affected by ring worms?

23. Jildo's rectangular bee hive has an area of 280 cm^2 . Find the width if its length is 10cm.

24. State the function of a vacuum seal on a thermos flask.

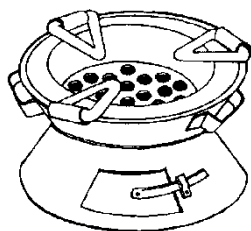
25. What name is given to the fertilizers got from inorganic matter artificially?

26. Name the type of joint that allows body movement in all directions.

27. State any **one** way of caring for special need children at our school.

28. Give the use of a strip cup to cattle keepers.

Study the diagram below carefully and use it to answer questions 29 and 30.



29. Name the form of energy obtained from the charcoal stove when in use.

30. How does the heat from the charcoal stove able to reach Tom who is one metre away?

31. State any **one** quality of a viable bean seed

32. Give **one** example of a solitary insect.

33. How are earthworms useful to crop farmers?

34. What collective name is given to the plumule and radical of a germinating seed?

35. Why is lightning seen before thunder is heard?

36. Which germ causes coccidiosis in birds?

37. State the function of the eardrum during hearing.

38. Why is it advisable to cover your mouth with a handkerchief when sneezing?

39. Besides protection, mention **one** other reason why chameleon changes colour.

40. What are ammonium chlorides referred to as sublimates?

SECTION B: 60 MARKS

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

41. (a) Apart from land, state any **two** other needs of poultry farmers.

(i) _____

(ii) _____

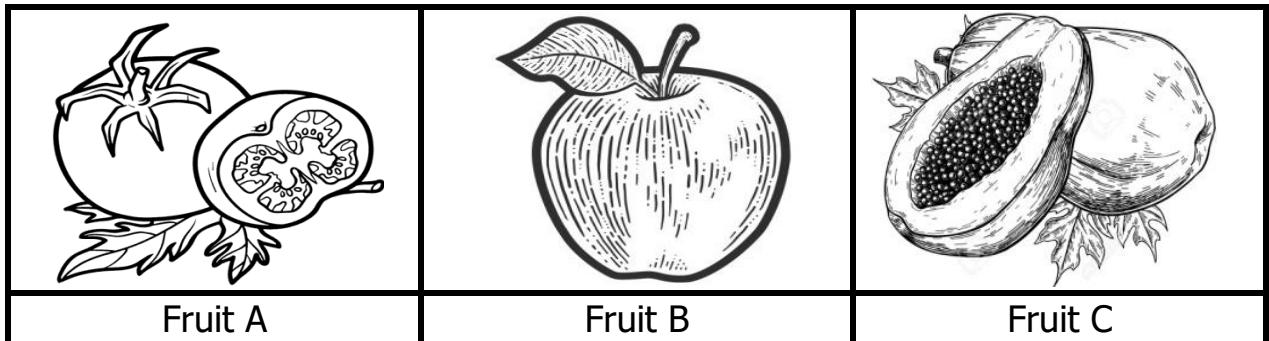
(b) Mention any **one** reason why poultry farmers need land.

(c) Give any **two** ways of acquiring land for poultry farming in Uganda.

(i) _____

(ii) _____

42. Below are the diagrams of different fruits. Use it to answer the questions that follow.



(a) Which of the two fruits would you classify under berries?

(b) State any **one** reason to support your answer.

(c) What type of fruit is the fruit marked with letter B?

(d) Give any **one** importance of fruits to school children

43. (a) How does heat travel through the following;

(i) solids

(ii) gases

(b) State the effect of heat on ice cubes when put on a burning charcoal stove.

(c) What happens to rails of railway lines on hot days?



44. (a) Write down any **two** machines used in measuring the weight and mass of different objects.

(i) _____

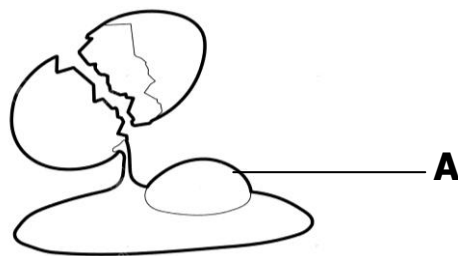
(ii) _____

(b) Give **two** ways in which weight and mass differ.

(i) _____

(ii) _____

45. Below is a diagram of a broken egg. Use it to answer questions that follow.



(a) Name the part of the egg marked with the letter **A**.

(b) Name the type of change which takes place when an egg

(i) is broken as shown above _____

(ii) Hatched into a chick _____

(c) State any similarity between biological and chemical changes

46. (a) What are farm records?

(b) Which type of farm record shows:

(i) all the sales and purchases of the farm business:

(ii) yields of various farm produce:

(c) State the main reason why animal farms should have a clean water source.

47. Mention any **two examples of:**



a) Communicable diseases which affect the respiratory system.

(i) _____

(ii) _____

b) Non-communicable diseases which affect the respiratory system.

(i) _____

(ii) _____

48.(a) Give the term that describes a group of cattle having similar characteristics.

(b) State any **two** characteristics that determine a breed of cattle.

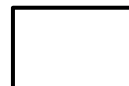
(i) _____

(ii) _____

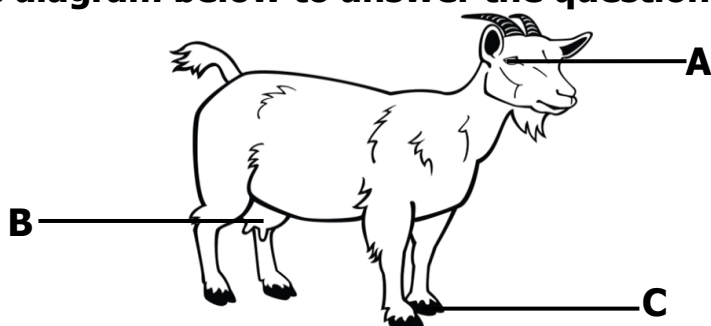
(c) Why do most farmers today prefer keeping the Ayrshire exotic breed of cattle over other breeds?

49. Study the table below carefully and fill the blank spaces correctly.

AGE	VACCINE	METHOD OF IMMUNIZATION
i). At birth	Injection on right upper arm
ii). 6 weeks	DPT vaccine
iii).	Polio vaccine	Drops in the mouth
iv). 36 weeks	Injection on left upper arm



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



(a) Name the part of a goat marked with the letter **A** and **B**

(i) A _____

(ii) B _____

(b) How useful is the part marked with letter **A** to the goat?

(c) Which part of a goat has similar function with the claws in birds?

51. Azawi stepped on a burning charcoal accidentally and immediately removed her foot.

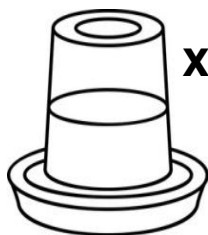
(a) What name is given to the injury Azawi got?

(b) Which part of Azawi's body sensed this type of injury?

(c) Name the degree of the above injury where Azawi can get blisters.

(d) What first Aid would you give to Azawi?

52. The diagrams below are from poultry feeding room. Use them to answer questions that follow.



(a) Name the farm equipment represented by the letters.

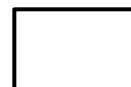
(i) **X**

(ii) **Y**

(b) How important is the farm equipment represented by letter **Y** to the poultry birds?

(c) Why are poultry farmers advised to use equipment **X** instead of a basin?

53. (a) what is personal hygiene?.



(b) State any **two** ways of promoting personal hygiene.

(i)

(ii)

(c) Give **one** way people can control diseases without use of drugs

Turn over

54. Below is a diagram of a bird. Use it to answer questions that follow.



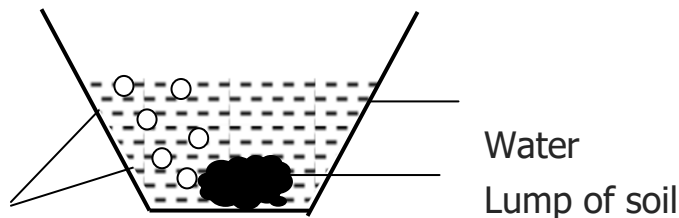
(a) Name the group of bird with such beaks.

(b) State any **one** example birds with such beak.

(c) How important is the hornbill ito the plant?

(d) State any **one** way in which hornbill is a pest to farmers.

55. Below is an experiment carried out by a P.3 class. Use it to answer questions that follow.



Bubbles

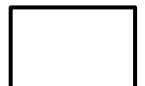
a) What does the above experiment show about soil?

b) How is air important to the living organisms in the soil?

c) Apart from air, mention any **two** components of soil.

(i) _____

(ii) _____



Game over