

# KOLFRAM EDUCATIONAL SERVICES KAMPALA



MID TERM EXAMINATION 2024

PRIMARY SEVEN

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index Number:

EMIS 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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## SECTION A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Name the body organ for sensing sight.

.....

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

.....

3. Of what use is a drenching gun to the piggery farmers?

.....

4. Write down **one** block in a village food path.

.....

5. Apart from loam soil and clay soil, mention any **one** other type of soil.

.....

6. State **one** characteristic of images formed by plane mirrors.

.....

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

.....

8. Name the form of electricity in which electron does not move.

.....

9. Name **one** vertebrate that uses a shell for protection.

.....

10. Name the enzyme that breaks down proteins into amino acid.

.....

11. Why should pit latrines be smoked regularly?

.....

12. Give **one** reason why adolescents are advised to delay sex.

.....

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

.....

14. How does the use of electricity reduce deforestation?

.....

15. What is the function of a chimney on a kitchen?

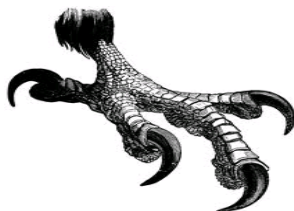
.....

16. How does the mycobacterium that causes tuberculosis reproduce?

.....

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

.....  
**study the the foot of a bird below and use it to answer questions 18 and 19.**



18. State **one** reason why the foot of the bird above have strong curved talons.

.....  
19. Give any **one** danger of birds with the foot shown above to the farmers.

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

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

.....  
22. How do banana plants multiply?

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

.....  
24. Where in the human body are sperms produced?

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

.....  
**Below is the body shape of a breed of cattle. Use it to answer the questions that follow.**



26. State the main product got from animals with the above body shape.

.....  
27. Name any **one** agent of soil erosion.

.....  
28. Why can't sound travel through a vacuum?

.....  
29. Write down **one** non-infectious disease of the lungs.

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

.....  
31. State any **one** reason why a stone sinks in water.

.....  
32. How are earthworms useful to crop farmers?

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

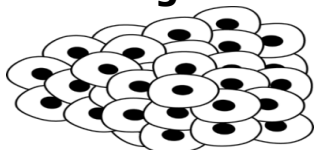
.....  
34. Why is lightning seen before thunder is heard?

.....  
35. Which germ causes coccidiosis in birds?

.....  
36. State the function of the eardrum during hearing.

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

.....  
**Use the diagram below to answer questions 38 and 39.**



38. Name the animal which lays the kind of eggs shown above.

.....  
39. State any **one** characteristic of the above animal.

.....  
40. Apart from protection, state **one** other reason why chameleons camouflage.

### **SECTION B: 60 MARKS**

*Questions 41 to 55 carry four marks each.*

41. a) What is excretion?

.....  
.....  
(b) State **one** excretory product from the kidneys.

.....  
(c) Apart from excretion, how else is the kidney useful in the human body?

.....  
(d) How can you keep your kidneys in a good working order?

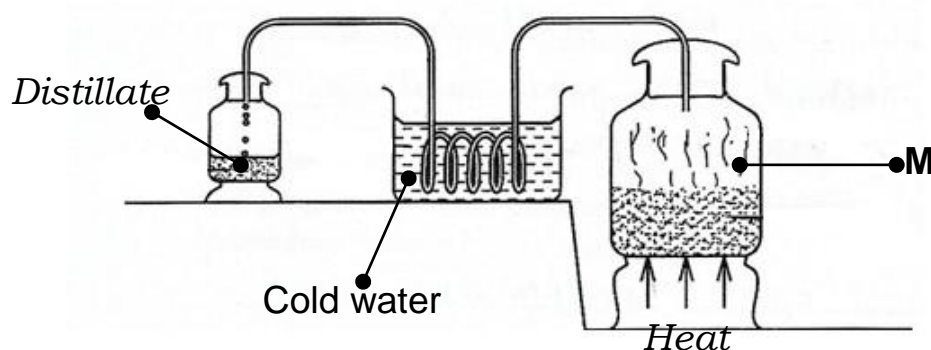
42. (a) Name the type of current electricity produced by the following;  
 (i) a generator .....  
 (ii) a dry cell.....  
 (b) Write down any **one** local method of producing electricity at home.

.....  
 (c) State **one** reason why solar electricity is not commonly found in most homes.

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 trails of railway lines on hot days?

44. **The diagram below shows one of the methods of preparing alcohol. Study and use it to answer questions below.**



- (a) Name the method of preparing alcohol used in the diagram.

.....  
 (b) What process formed M?

.....  
 (c) Why is the delivery tube passes through cold water?

.....  
 (d) Besides alcohol, mention **one** liquid prepared using the method above.

45. (a) Write down **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) .....

46. (a) Define the term insulators.

.....  
 .....

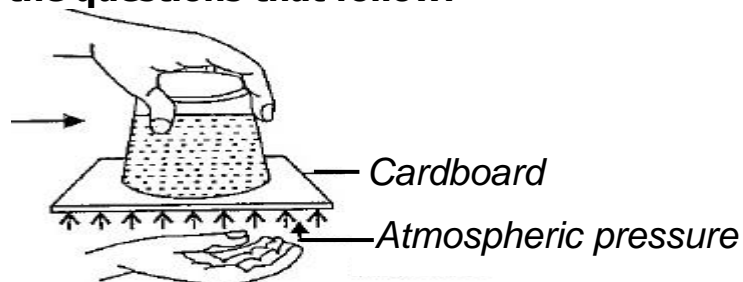
(b) Write down **two** examples of good insulators of heat.

- (i) .....  
 (ii) .....

(c) Give any **one** reason why wooden poles are usually used to carry electricity.

.....

47. The diagram below demonstrates a property of water. Use it to answer the questions that follow.



(a) State the property of water demonstrated above.

.....

(b) Give **one** effect of the atmospheric pressure on the card board.

.....  
 .....

(c) State **two** characteristics of pure water.

- (i) .....  
 (ii) .....

48. 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 Ayshire exotic breed of cattle over other breeds?

.....  
 .....

49. (a) What do you understand by the word **germination**?

.....  
 .....

b) State any **one** type of germination.

.....  
 .....

c) Mention any **two** conditions which may affect the growth of seedlings after germination.

(i) .....

(ii) .....

(b) **Study the groups of animals below carefully and use them to answer the questions that follow.**

**A**

Salamander

Toad

Newt

Frog

**B**

Chameleon

Tortoise

Crocodile

Lizard

**C**

Snail

Octopus

Oyster

Slug

(a) State **one** similarity between animals in group **A** and those in **B**.

.....

(b) What general name is given to animals in group **C**?

.....

(c) Name the structure animals in group **C** use for sensing.

(d) What important role is played by animals in group **A** in controlling the spread of diseases in our environment?

.....

51. Babra stepped on a burning charcoal by accident and immediately removed her foot.

(b) What name is given to the injury Victoria got?

.....

(c) Which part of the body sensed this type of injury?

.....

(d) Name the degree of the above injury where Babra can get blisters.

.....

(e) What first Aid would you give to Victoria?

.....

52. A doctor prescribed the following kinds of food(s) for patients with different deficiency diseases to feed on. Use them to answer the questions that follow.

**Mangoes**

**Green dodo**

**sweet potatoes**

**cabbages**

**Beans**

**oranges**

**Rice**

**Eggs**

Which kind of food(s) from the above list would you advise a patient suffering from the following deficiency disease to feed on;

- (a) anemia .....
- (b) kwashiorkor .....
- (c) Scurvy.....
- (d) marasmus.....

53. **Match the following correctly**

**List A**

- a) Nanny goat
- b) Wether
- c) Drenching
- d) Bleating

**List B**

- any castrated male goat
- sound made by the goats
- a female goat
- any young goat
- oral administration of liquid drugs

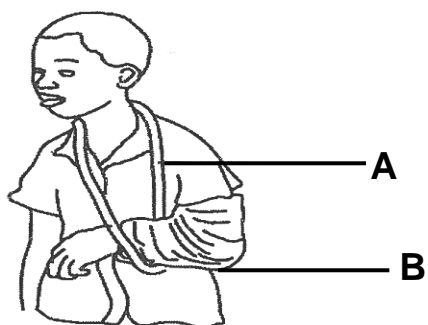
Nanny goat: .....

Wether: .....

Drenching:.....

Bleating:.....

54. **The diagram below shows a person with an injury .Use it to answer questions that follow.**



(a) Name the first aid component marked with letter **A** above.

.....

(b) How useful is the structure marked **B** to the injured person?

.....

(c)State any **two** reasons for giving first aid to a P7 casualty.

(i) .....

(ii).....

55(a) How do cats kept at home help to promote food security?

.....

(b) Mention any **one** cause of food insecurity in your area.

.....

(c) Suggest any **one** poor farming method that can lead to food insecurity.

.....

(d) Mention any **one** example of pest that can cause food insecurity.

.....