



**KIJONGO SUB-COUNTY**  
**PRE-MOCK EXAMS 2024**

**PRIMARY SEVEN PLE PREPARATION SET THREE**  
**2024**

**INTEGRATED SCIENCE**

*Time Allowed: 2 hours 15 minutes*

| Random No. |  |  |  |  |  | Personal No. |  |  |
|------------|--|--|--|--|--|--------------|--|--|
|            |  |  |  |  |  |              |  |  |

**Candidate's Name:** .....

**Candidate's Signature:** .....

**School Name:** .....

**District ID:**

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**Read the following instructions carefully:**

1. Do not forget to write your **school** or **district ID** on the paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **16** printed pages.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
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.

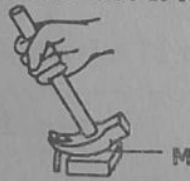
| FOR EXAMINERS' USE ONLY |       |           |
|-------------------------|-------|-----------|
| Qn. No.                 | MARKS | EXR'S NO. |
| 1 – 10                  |       |           |
| 11 – 20                 |       |           |
| 21 – 30                 |       |           |
| 31 – 40                 |       |           |
| 41 – 43                 |       |           |
| 44 – 46                 |       |           |
| 47 – 49                 |       |           |
| 50 – 52                 |       |           |
| 53 – 55                 |       |           |
| <b>TOTAL</b>            |       |           |

### SECTION A: 40 MARKS

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

1. Name the body sense used to detect the presence of too much salt in sauce.  
.....
2. Mention any **one** place which requires an individual to wash hands after visiting it.  
.....
3. Give any **one** reason why most people in your area prefer using free range system to battery system of keeping poultry.  
.....
4. Give any **one** common characteristic of tuber crop pests.  
.....

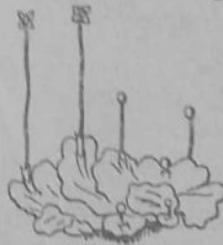
The diagram below shows a lever. Use it to answer questions 5 and 6.



5. Name the position of the lever above marked M.  
.....
6. In which class of levers would you put the tool above?  
.....
7. State any **one** danger of keeping long fingernails to human health.  
.....
8. What type of injury requires the use of an arm sling when giving first aid?  
.....
9. Identify the method of obtaining clean water from dirty water where sand, gravel and charcoal paste are used.  
.....
10. How does cooking oil behave in soup when cooking meat at home?  
.....
11. Name any **one** mammal that has blubber in its body.  
.....
12. Mention any **one** part of the banana sucker that a crop farmer cuts off before planting the sucker.  
.....  
State any **one** advantage of depositing sperms in the cow using artificial means.  
.....
13. Why is it important for a husband and his wife to be treated together if they have got gonorrhoea?  
.....
14. State any **one** health habit that helps to promote oral hygiene of a person.  
.....



The diagram below shows a non-flowering plant. Use it to answer questions 16 and



Liverwort

15. Name the non-flowering plant shown above.  
.....
16. State any **one** way in which the non-flowering plant above is similar to a cabbage plant.  
.....
17. Which group of annual crops helps to improve soil fertility when practicing crop rotation?  
.....
18. Apart from carbohydrates, name any **one** other food value that provides energy in the human body.  
.....
19. Which component of the environment causes evaporation in water bodies during rain formation?  
.....
20. How are blankets able to keep our bodies warm at night?  
.....

The diagram below shows a crop growing practice. Use it to answer questions 22 and 23.



21. Name the garden tool marked J.  
.....
22. Identify the crop growing practice shown above.  
.....
23. Give any **one** characteristics of worms.  
.....
24. Apart from the nose, name **one** other part of the respiratory system that contains cilia.  
.....
25. In which way is the positioning of windows and doors enable them to let fresh air into the house?  
.....
26. Give any **one** vector that transmits germs using a hairy body.  
.....

27. Give any **one** way in which fungi are harmful to people.  
.....
28. Why is carbon dioxide used in the preservation of soft drinks like soda?  
.....

The diagram below shows an example of a latrine. Use it to answer the questions 30 and 31.



29. Which group of vulnerable people use the latrine shown above?  
.....
30. State any **one** way of keeping the above latrine clean.  
.....
32. Which form of mechanical energy is possessed by water at a waterfall?  
.....
33. State any **one** practice done to a fainted casualty to enable him/her get fresh air.  
.....
34. Give **one** reason why farmers carry out hoof trimming in goats.  
.....
35. Which liquid substance is mainly absorbed in the colon of the alimentary canal?  
.....
36. State any **one** way of preserving the strength of magnets.  
.....
37. Which layer of soil is highly affected by leaching?  
.....
38. State any **one** way in which people use essential drugs wrongly.  
.....
39. Name any **one** method of heat transfer that requires a medium of transmission.  
.....
40. Which animal product can lead to the contraction of tapeworm infestation by an individual?  
.....

### SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. In the table below, part A shows parts of the reproductive system and part B has the functions of the parts.

| Part A: Parts | Part B: Functions                         |
|---------------|---|
| Ovary         | Passage of semen during ejaculation.      |
| Epididymis    | Protects the foetus from external damage. |
| Cervix        | Produces oestrogen hormone.               |
| Urethra       | Stores sperms.                            |



Use the functions in part **B** of the table to match the parts below.

- (i) Ovary:.....
- (ii) Epididymis:.....
- (iii) Cervix:.....
- (iv) Urethra:.....

42. Write down any **two** examples of;

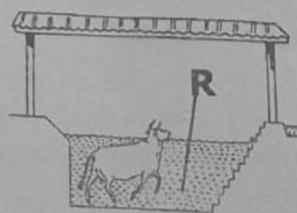
(a) Biological changes in animals.

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

(b) Biological changes in plants.

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

43. The diagram below shows a farm structure found on a cattle farm. Study and use it to answer the questions that follow.



(a) Name the chemical solution marked **R**.

.....

(b) Which cattle pest is controlled using the farm structure shown above?

.....

(c) Give any **two** cattle diseases controlled using the chemical solution marked **R**.

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

44. (a) Give any **two** examples of plants that have storage roots.

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

(b) Mention any **two** ways in which plants are harmful to people.

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

45. (a) Name the process that leads to the;

- (i) Formation of dew.....
- (ii) Disappearance of dew.....

(b) Give the reason why dew is formed at night.

.....

(c) How is dew useful to the environment?

.....

(a) Write down any **two** examples of biofuels in the environment.

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

(b) Give any **one** way in which water can be used as energy resource.

.....

- (c) State any **one** characteristic of non-renewable resources.

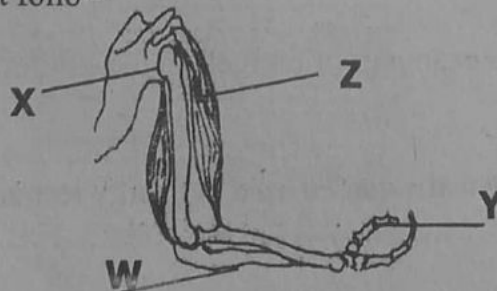
46. The diagram below shows a local method of preserving maize at home. Study and use it to answer the questions that follow.



- (a) Identify the local method of preserving maize shown above.
- (b) In which way does the local method shown in the diagram above help to preserve maize?
- (c) Apart from maize, name any **two** other foodstuffs that are preserved using the local method shown in the diagram above.
- (i) .....
- (ii) .....
47. The list below shows groups of mammals. Study and use it to answer the questions that follow.

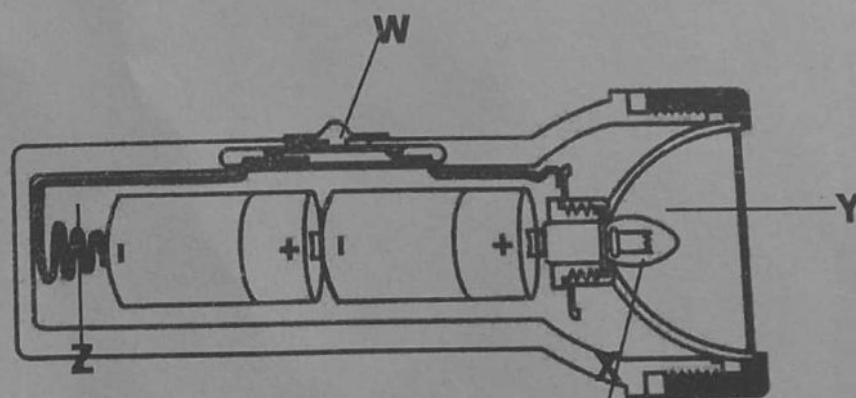
seal, shrew, spiny anteater, porpoise

- (a) Identify **two** mammals from the list above that can be grouped together.
- (i) .....
- (ii) .....
- (b) Why would the mammals identified in (a) be grouped together?
- (c) How is the spiny anteater different from all other mammals on the list above in the way they reproduce?
48. (a) Give any **one** sign of pneumonia in rabbits.
- (b) Apart from pneumonia, name any **one** other disease that affects rabbits.
- (c) State any **two** ways of controlling diseases in rabbits.
- (i) .....
- (ii) .....
49. The diagram below is of the human arm. Study and use it to answer the questions that follow.





- (a) Name the movable joint marked W.  
.....
- (b) What happens to muscles marked X and Y when the arm is bent?  
(i) Muscle X:.....  
(ii) Muscle Y:.....
- (c) What name is given to the bone marked Z?  
.....
50. (a) State any **two** ways in which people misuse drugs.  
(i) .....  
(ii) .....  
(b) Mention any **two** conditions under which essential drugs should be stored.  
(i) .....  
(ii) .....
52. (a) Write down any **two** activities in the garden that can be done using a hoe.  
(i) .....  
(ii) .....  
(b) State any **one** sign of crops damaged by crop pests.  
.....  
(c) Mention any **one** way of controlling pests in the store.  
.....
53. (a) List down any **two** materials that can be used when making compost manure.  
(i) .....  
(ii) .....  
(b) Mention **two** methods of making compost manure.  
(i) .....  
(ii) .....
54. The diagram below shows an electric torch. Study and use it to answer the questions that follow.



- (a) Name the parts marked X and Z.  
(i) .....  
(ii) .....

(b) State the function of part marked Y.

.....  
.....

(c) What energy change take place in the dry cells when part W is closed?

.....  
.....

55. (a) State any **two** signs of convulsions in children.

(i) .....

(ii) .....

(b) Give the reason why a hard object should be put in the mouth of a convulsing victim.

.....  
.....

(c) Apart from putting the hard object in the mouth, identify any **one** other way of helping a convulsing child.

.....