

# BUDAKA DISTRICT ACADEMIC BOARD

P.L.E MOCK EXAMINATIONS, 2024

INTEGRATED SCIENCE

*Time Allowed: 2 Hours 15 Minutes*

Index No									
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CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

SCHOOL'S EMIS NO: .....

DISTRICT NAME: .....

## READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has two sections **A** and **B**
2. All the working in both sections **A** and **B** should be shown in the spaces provided
3. All working must be done using a blue or black ball point pen or fountain pen. Diagram **MUST** be drawn in pencil
4. Unnecessary changes of work may lead to loss of marks
5. Any handwriting that can not be easily read may lead to loss of marks
6. Do not fill in anything in areas indicated for examiners use only and those inside the paper.

## FOR EXAMINER'S USE ONLY.

SECTION	MARKS
SECTION A	
SECTION B	
TOTAL	



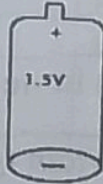
**SECTION A [40 Marks]**

1. Give any **one** way the spread of red eyes disease can be controlled.  
\_\_\_\_\_
2. Which type of bees is regarded as female sterile bees?  
\_\_\_\_\_
3. Why is harvesting of ready crops usually done in the dry season?  
\_\_\_\_\_
4. Give the effect of keeping magnets with poles facing East – West direction?  
\_\_\_\_\_
5. State the law of electric charges.  
\_\_\_\_\_
6. Name the type of teeth that develop first in humans.  
\_\_\_\_\_
7. Give any **one** method of separating liquid mixtures.  
\_\_\_\_\_
8. In which way is the pulmonary vein different from other veins in terms of functions?  
\_\_\_\_\_
9. What is the health danger of keeping potted plants in the bedroom at night?  
\_\_\_\_\_
10. How is sound produced in objects?  
\_\_\_\_\_
11. Give the way tides are used as energy resources.  
\_\_\_\_\_
12. Apart from easing mating, give one other health benefit of docking in sheep rearing?  
\_\_\_\_\_
13. Give **one PLASCY** message that guards school going children against contracting HIV/AIDS.  
\_\_\_\_\_
14. Why is an ostrich unable to fly yet it is a bird?  
\_\_\_\_\_
15. Write down any one sign of scurvy.  
\_\_\_\_\_



16. Name **one** condition necessary for rusting to occur.

*The diagram below shows a dry cell. Study and use it to answer questions 17 and 18.*

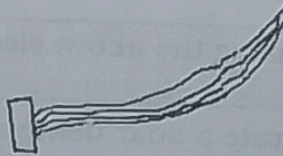


17. To which type of electric cells do the above belong?
18. State **one** advantage of using the above electric cell.
19. Why is it difficult to castrate a boar using a burdizzo?
20. Name the method of soil formation that leads to the production of rock particles.
21. Which component of the dwelling house protects the occupants against bad weather conditions?
22. Give the difference in function between gills of a fish and gills of a mushroom.
23. Give any **one** danger of poultry to crop farmers
24. Name the mineral salt responsible for the formation of red blood cells.
25. State any **one** advantage of rearing cross breeds of cattle over local breeds.
26. Which element of Primary Health Care (PHC) promotes care of mothers and babies?
27. Mention **one** energy change that takes place in a working electric bulb.
28. Which human body system does the stomach belong to?



29. Name the physical process that leads to the formation of dew in the environment.
30. State any **one** use of friction force to P.7 candidates in a classroom.
31. Give the similarity in function between the endosperm of maize grain and cotyledon of a bean seed.
32. Give one importance of mucus in the nostrils of humans.

The diagram below shows a certain type of leaf venation. Study and use it to answer questions **33 and 34**.



33. Identify the type of leaf venation shown above.
34. Which group of flowering plants possess the above type of leaf venation?
35. State the step involved in washing clothes that removes soapy water.
36. Write down the adaptation of humming bird to its mode of feeding.
37. Which type of organic manure is obtained from animal wastes?
38. Give the function of the Eustachian tube in the human ear.
39. ***In the space provided below, draw and name the garden tool used in transplanting seedlings.***




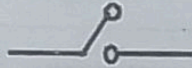
Name	
Diagram	

40. State any one way of maintaining pit latrines in our community.



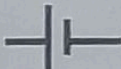
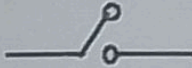


### SECTION B [60 Marks]

41. The lists below show symbols of an electric circuit and their names. Match correctly.

List A Symbol	List B Name
	Bulb
	Voltmeter
	Switch
	Dry Cells

Write the names against the symbols.

- (i)  \_\_\_\_\_
- (ii)  \_\_\_\_\_
- (iii)  \_\_\_\_\_
- (iv)  \_\_\_\_\_

42. (a) Give any **one** example of a flying mammal.

(b) State **one** use of echoes to the above named flying mammal.

(c) Write down any **one** importance of the above flying mammal in our environment.

(d) Mention **one** feature that enables the above mammal to fly.

43.(a) Name the **two** forms of mechanical energy.



- (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_  
 (b) State the effect of the following to kinetic energy in matter.  
 (i) height: \_\_\_\_\_  
 (ii) Speed: \_\_\_\_\_

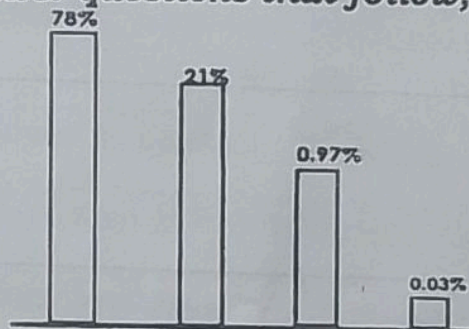
44 (a) Apart from acting as pets, give two other reasons why people rear rabbits

- (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_  
 (b) Name any **one** exotic breed of rabbits reared in Uganda.  
 \_\_\_\_\_  
 (c) State any **one** advantage of rearing rabbits.  
 \_\_\_\_\_

45. State the kind of energy obtained from the following energy resources.

- (i) Uranium \_\_\_\_\_  
 (ii) Hot springs \_\_\_\_\_  
 (iii) Fast Flowing water \_\_\_\_\_  
 (iv) Tides \_\_\_\_\_

46. **The bar chart below shows percentage of air in the atmosphere. Study it and answer questions that follow;**



(a) Identify the gases represented by the percentages below;

(i) 78% , \_\_\_\_\_

(ii) 0.03% \_\_\_\_\_

(b) Give any **one** application of each of the gases represented by the percentages below;

(i) 21% \_\_\_\_\_

(ii) 0.97% \_\_\_\_\_

47.(a) Explain the meaning of the following terms.

(i) Pollination

\_\_\_\_\_

(ii) Fertilization

\_\_\_\_\_



(b) Write down any **two** characteristics of wind pollinated flowers.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

48.(a) Which property of magnets is used in a magnetic compass needle?

(b) Give any **two** practices that lead to destruction of magnets.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Write down **one** way of preventing magnets against demagnetization.

49.(a) Which type of chicken is reared for the following purposes?

(i) Meat production

(ii) Egg production

(b) State **two** ways of increasing productivity in poultry.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

50. The diagram below shows a method of harvesting mature trees. Study and use it to answer questions that follow;



(a) Identify the method of harvesting tree shows above.

(b) Give any **two** advantages of the above method harvesting trees.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Write any **one** tree in the environment harvested using the above method.

51. State the function of each of the following parts of the fish.

(i) Nostril

(ii) Operculum

(iii) Caudal fin



(iv) Lateral line

52.(a) The table below shows digestive organ, digestive gland and digestive juice. Study it and fill in the missing information.

Digestive Organ	Digestive Gland	Digestive Juice
Mouth	(i).....	Saliva
(ii).....	Gastric gland	Gastric Juice
Duodenum	Pancreas	(iii).....

(b) Give one adaptation of the ileum to food absorption.

53.(a) Name any **one** accident that can occur at water body.

(b) Write down any **two** ways of caring for water sources.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Give any **one** use of water in the human body.

54. The diagram below shows an insect. Study and use it to answer questions that follow;



(a) Identify the parts labeled by letters;

X \_\_\_\_\_

Y \_\_\_\_\_

(b) State the function of the following parts of the above insect.

(i) Halteres \_\_\_\_\_

(ii) Proboscis \_\_\_\_\_

55.(a) What term refers to the vertical arrangements of soil layers?

(b) Give the reason why top layer is able to support plant growth?

(c) Write down any **two** farming practices that lead to soil exhaustion.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

End