

# KALUNGU DISTRICT PRIMARY LEAVING MOCK EXAMINATION- 2023

## INTEGRATED SCIENCE

Time: 2 hours 15 minutes

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

EMIS No.						Personal No.		

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

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

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

### READ THE FOLLOWING INSTRUCTIONS

1. This paper has two sections A and B.
2. Section A, has 40 short questions (40mks)
3. Section B has 15 questions (60marks)
4. Answer all questions.
5. All answers to all questions must be written in the space provided.
6. All answers must be written using **blue** or **black** ball pen or **ink**.
7. Unnecessary crossing of work will lead to loss of marks.
8. Any handwriting that cannot easily be read may lead to loss of marks.
9. Do not fill anything in the boxes indicated "FOR EXAMINER'S USE ONLY"

### FOR EXAMINER'S USE ONLY

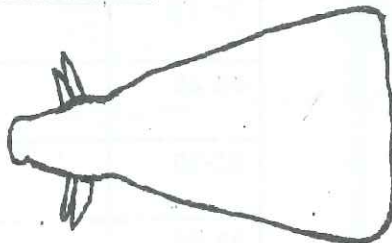
QN. NO.	MARKS	INITIALS
1 - 10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

*Turn Over*

## SECTION A

1. Name the component of air plants use for respiration.  
\_\_\_\_\_
2. Give one way of promoting oral health.  
\_\_\_\_\_
3. State one characteristic of arteries that helps them to with stand high blood pressure.  
\_\_\_\_\_
4. How do bacteria reproduce?  
\_\_\_\_\_
5. Name the form of static electricity in nature.  
\_\_\_\_\_
6. How is moulting important to insects?  
\_\_\_\_\_

The diagram below shows a type of cattle. Use it to answer questions 7 and 8.



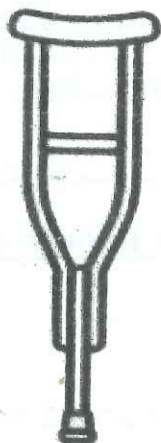
7. Name the type of cattle with the above shape.  
\_\_\_\_\_
8. Why do people mainly keep the above type of cattle?  
\_\_\_\_\_
9. Which type of family is made up of parents, biological children and a maid?  
\_\_\_\_\_
10. Give one way of conserving wood fuel.  
\_\_\_\_\_



11. Name one organ of the body that is damaged through excessive consumption of alcohol.  
\_\_\_\_\_
12. Which sexually transmitted disease leads to blindness in babies?  
\_\_\_\_\_
13. Name the group of birds that feed on carrion.  
\_\_\_\_\_
14. Write the standard unit for measuring mass.  
\_\_\_\_\_
15. Give one way of controlling soil erosion in hilly areas.  
\_\_\_\_\_
16. State one breed of rabbits kept at home.  
\_\_\_\_\_
17. How does washing of hands help to control the spread of diarrhoeal diseases?  
\_\_\_\_\_
18. Apart from earthworms, give one other organism that helps to aerate the soil.  
\_\_\_\_\_

The diagram below shows an equipment used in giving first aid.

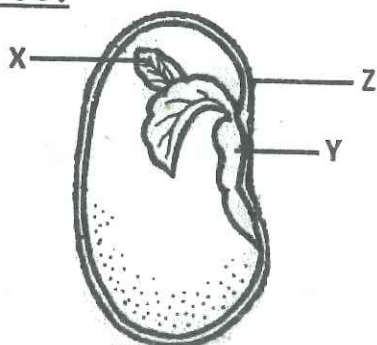
Study it and use it to answer question 19 and 20.



19. Name the above equipment.  
\_\_\_\_\_

20. How does the equipment in (19) above help a person with an injured leg to walk? □
- \_\_\_\_\_
21. Which product from bees is used for making candles?
- \_\_\_\_\_
22. How does a caterpillar protect itself?
- \_\_\_\_\_
23. State the importance of sunlight during photosynthesis.
- \_\_\_\_\_
24. Give one way of reducing echoes in cinema halls.
- \_\_\_\_\_
25. State one way of demagnetisation.
- \_\_\_\_\_
26. Name the type of immunity got after recovering from chicken pox.
- \_\_\_\_\_
27. Which type of intestinal worm enters the human body through eating half cooked meat?
- \_\_\_\_\_
28. State one structural difference between a cock and a hen.
- \_\_\_\_\_

The diagram below is of a bean seed. Use it to answer question 29 and 30.



29. Name the part marked X.

\_\_\_\_\_

30. Which part allows water and air into the seed during germination? ☐
- 
31. Name the item that helps people to manage both sunny and rainy weather.
- 
32. Give one mineral deficiency disease.
- 
33. How is the function of the synovial fluid similar to that of oil in a moving part of a bicycle?
- 
34. State the importance of a wall gecko in the control of malaria.
- 
35. Give one way in which drug prescription is important.
- 
36. State one advantage of breast feeding to a mother.
- 
37. Name the animal product used for making butter and ghee.
- 
38. Give one insect that pollinates flowers.
- 
39. Name one play material made from banana fibres.
- 
40. State one principle of primary health care.
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## SECTION B

41 a) What is soil conservation?

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b) How does mulching conserve soil?

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c) Give two ways in which plastic materials are a danger to the soil

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

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

42. Use the food chain below to answer the questions that follow.

Maize → Goat → Leopard → Bacteria

a) From the food chain above, name;

(i) The producer \_\_\_\_\_

(ii) The secondary consumer \_\_\_\_\_

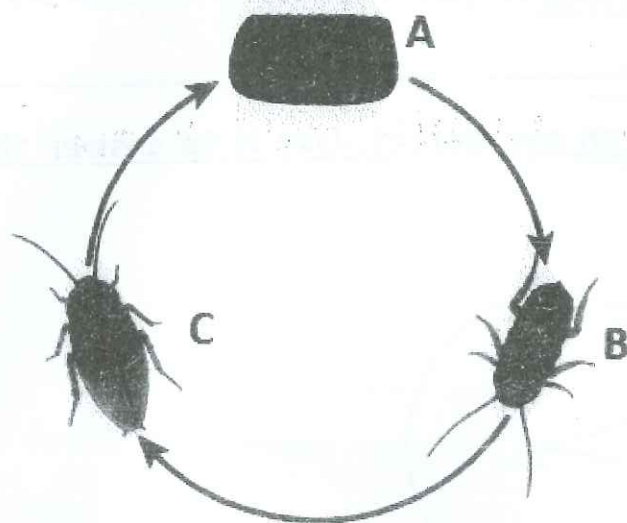
(iii) The primary consumer \_\_\_\_\_

b) State the role of bacteria in a food chain.

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43. The diagram below shows the lifecycle of an insect use it to answer the questions that follow.



a) Name the stage marked B.

\_\_\_\_\_

b) What type of life cycle is shown above?

\_\_\_\_\_

c) Identify one insect with the above lifecycle.

\_\_\_\_\_

d) Give one disease that is spread by the above insect.

44. a) State two primary sex characteristics in adolescent boys.

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

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

b) Give two ways of caring for the human reproductive system.

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

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

45. a) Give two examples of chemical changes.

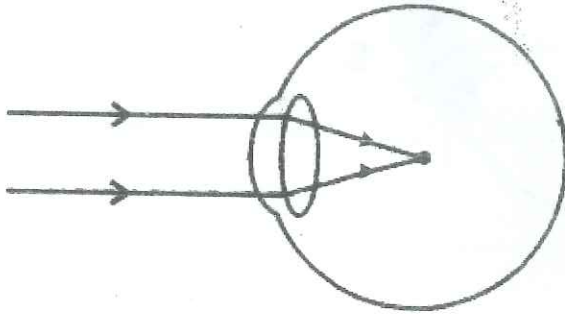
(i) \_\_\_\_\_

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

b) Write down one characteristic of physical changes.

c) State one importance of biological changes in the environment.

46. The diagram below shows an eye defect. Use it to answer the questions that follow.



a) Name the above eye defect.

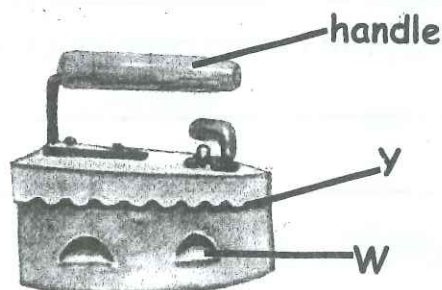
b) Write down two causes of the eye defect shown above.

(i)

(ii)

c) How can the above eye defect be corrected?

47. The diagram below shows an item commonly used at home. Use it to answer the questions that follow.



a) Give the use of the above tool at home.

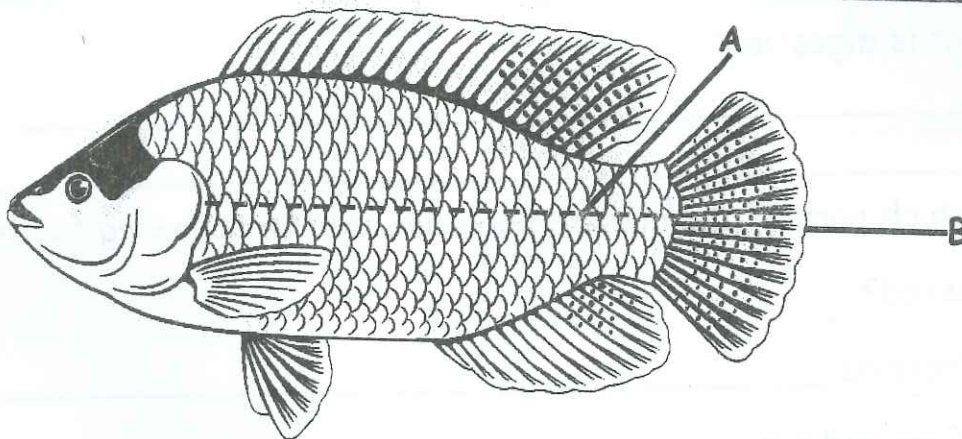


b) How are the holes marked **Y** useful to the tool.

c) Which part of a living house can be compared to the hole marked **W**?

d) State the common material used to make the handle of the above tool.

48. Study the diagram below and answer the questions that follow.



a) Name the parts marked **A** and **B**.

(i) **A** \_\_\_\_\_

(ii) **B** \_\_\_\_\_

b) To which group of Vertebrates does it belong?

c) Give the main food value got from eating the above animal.

49. Match the excretory organs below with their excretory products.

Excretory organ

Excretory product

Kidney

Bile pigments

Lungs

Sweat

Liver

Carbondioxide

Skin

Uric acid

(i) Kidney

(ii) Lungs

(iii) Liver

(iv) Skin

50. a) What is digestion?

b) In which part of the alimentary canal are the following foods first digested?

(i) Proteins

(ii) Fats and oils

c) Give one disorder of the human digestive system

51. a) State two reasons why food should be cooked.

(i)

(ii)

b) Give one way of preparing food.

c) State one reason why food should be preserved.

\_\_\_\_\_

52. a) Give one type of chicken kept at home.

\_\_\_\_\_

b) Why do poultry farmers put litter on the floor of a poultry house?

\_\_\_\_\_

c) Write down the system of poultry keeping common;

(i) in villages \_\_\_\_\_

(ii) in urban areas \_\_\_\_\_

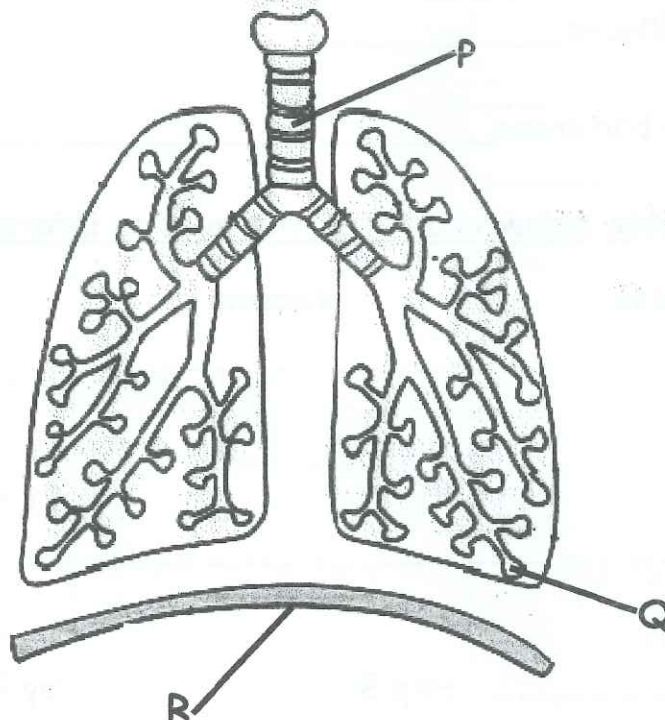
53. Study the table below and fill in the missing information.

Disease	Vaccine	Mode of administration
Measles	(i).....	by injection
(ii).....	Hep B	by injection
Tuberculosis	(iii).....	by injection
Polio	OPV vaccine	(iv).....



- 54 a) How are the following garden tools used during farming activities
- (i) Forked hoe \_\_\_\_\_
- (ii) Secateurs \_\_\_\_\_
- b) State two ways of caring for garden tools
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

55. The diagram below shows the human respiratory organs. Use it to answer the questions that follow.



a) Name the parts marked Q and R

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

b) How is part P adapted to its functions?

\_\_\_\_\_

c) What happens to part R during breathing out?

\_\_\_\_\_

**END**