

KISORO DISTRICT ACADEMIC BOARD

PRIMARY LEAVING MOCK ASSESSMENT, 2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

District ID No:

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Read the following instructions carefully:

1. Do not write your **school or district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and Section **B** has **15** questions. The paper has **8 printed pages** altogether.
3. Answer **all** questions. **All** answers to both Sections **A** and **B** must be written 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 other than graphs and diagrams will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read 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.

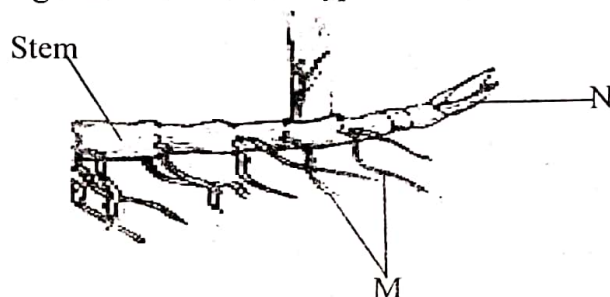
FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	EXR'S NO.
1- 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Give one way the human body uses oxygen to function.
.....
2. Why do germs breed from rotting matter?
.....
3. How does soil erosion cause soil infertility?
.....
4. Why is a rain gauge put in an open space when measuring rainfall?
.....

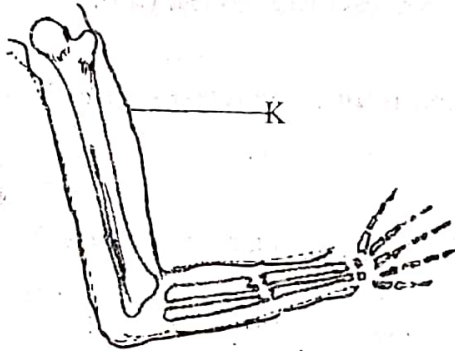
The diagram below shows a type of stem. Study and use it to answer questions 5 and 6.



5. Which type of underground stems is shown in the diagram above?
.....
6. What is the function of part marked N to the above plant?
.....
7. Give any one way how a balanced diet controls common sickness in homes.
.....
8. Why do poultry farmers carry out crossbreeding among their birds?
.....
9. How do human beings produce sound?
.....
10. Give any one way a Stevenson screen keeps delicate instruments safe.
.....
11. Why is it possible to separate salt from water by evaporation?
.....
12. State the reason why AIDS is said to be more dangerous than diarrhoea among humans.
.....
13. How do alloys conserve mineral resources in the environment?
.....
14. Give any one cause of swarming in bees.
.....
15. State the first aid you would give to a victim with a food particle in the trachea.
.....

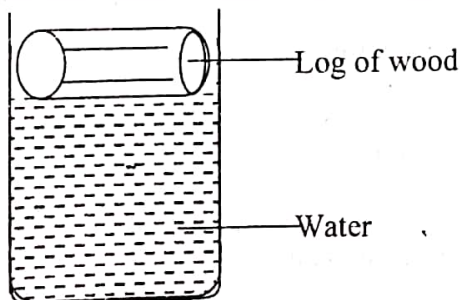
16. Write down any one health information collected during a healthy survey.

The diagram below shows a human arm. Study and use it to answer questions 17 and 18.



17. What happens to the muscles marked K when the human arm is bent?
18. How do muscles help the human body to move?
19. Write down any one factor considered before starting a wood lot project at home.
20. State the importance of grinding cassava before storage.
21. Give any one health problem caused by eating contaminated food.
22. How do millipedes protect themselves against enemies?
23. What causes the swelling of the tubers of Irish potatoes?
24. Which immunisable disease makes muscles stiff in the human body?

Study the illustration below and use it to answer questions 25 and 26.



25. Why does the log of wood behave as shown in the diagram above?
26. Which force reduces the weight of the log of wood when put in water?
27. How do moving animals help in the formation of soil?

28. Which component of blood carries dissolved food materials and mineral salts around the body?

29. Name any one health care service which reduces infant mortality rate.

30. Why do we classify respiration as a chemical change yet it takes place in living things?

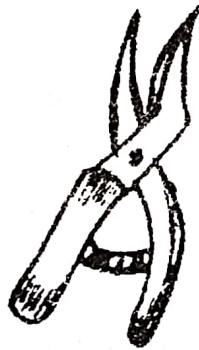
31. How does addition of murram ensure safety when using a murram road?

32. State the importance of the moist skin to a frog.

33. Give any one way burning fuels affect the environment.

34. What is the danger of taking under dose of drugs to the human body?

The diagram below is of a garden tool. *Study and use it to answer questions 35 and 36.*



35. Name the garden tool shown in the diagram above.

36. State the use of the above garden tool to crop farmers.

37. Name one fungal disease which affects the human skin.

38. How do animals contribute to photosynthesis in plants?

39. Write down any one natural method of vegetative propagation.

40. Give any one effect of smoking to the family.

SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

41. (a) Name two permanent methods of family planning.

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

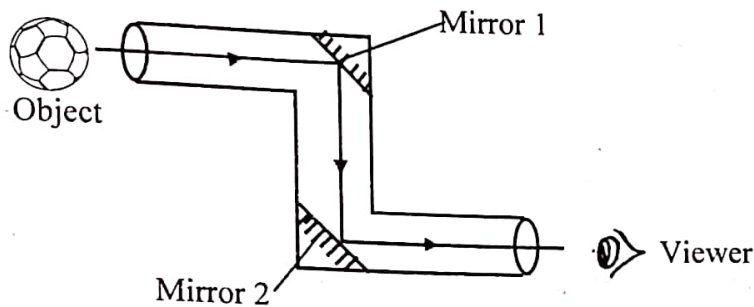
- (b) How do condoms prevent conception among human beings?

.....
.....

- (c) Give any one benefit of using artificial methods of family planning.

.....
.....

The diagram below shows an instrument. Study and use it to answer questions that follow.



42. (a) Name the instrument shown in the diagram above.

.....
.....

- (b) State the principle under which the above instrument works?

.....
.....

- (c) Why is mirror 1 placed adjacent to mirror 2 in the diagram above?

.....
.....

- (d) Give any one use of the above instrument.

.....
.....

43. (a) Which type of soil erosion commonly occurs in flat areas?

.....
.....

- (b) Apart from the type mentioned above, give any two types of soil erosion.

(i).....

(ii).....

- (c) How does afforestation control soil erosion?

.....
.....

Study the table below and use it to answer the questions that follow.

Y	Z
Diphtheria	DPT vaccine
Tetanus	Polio vaccine
Whooping cough	T.T vaccine

44. (a) How is diphtheria similar to whooping cough?

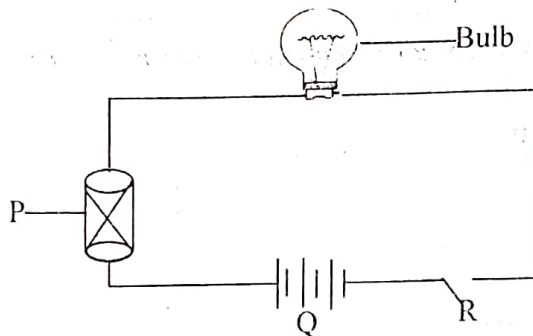
(b) Why is DPT vaccine called a triple vaccine?

(c) Give any two vaccines that can be added to list Z.

(i).....

(ii).....

The diagram below is of an electric circuit. Study and use it to answer questions that follow.



45. (a) Name the parts of the circuit marked;

(i) P

(ii) R

(b) State the function of part marked Q in the above circuit.

(c) How is part P similar to part R in terms of function?

46. (a) Write down any two conditions which make a seed fail to germinate.

(i).....

(ii).....

(b) Give any two ways a farmer ensures proper germination of seeds.

(i).....

(ii).....

47. (a) Name the first part of the small intestine.

(b) How do thin walls help the ileum to absorb food?

(c) Give any two reasons why the ileum is able to absorb food.

(i).....

(ii).....

48. (a) How long does a pregnant cow take to give birth?

(b) Give any two signs of a pregnant cow.

(i).....

(ii).....

(c) Why should a pregnant cow be fed on special foods rich in proteins?

49. (a) Give one reason why weaning babies are referred to as vulnerable.

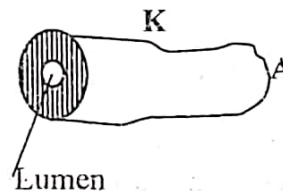
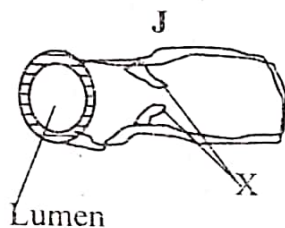
(b) State the importance of mashing food materials used in weaning babies.

(c) Give any two food substances used in weaning babies.

(i).....

(ii).....

The diagrams below show blood vessels. *Study and use it to answer questions that follow.*



50. (a) Name the blood vessels marked;

(i) **J**

(ii) **K**

(b) State any one functional difference between vessel **J** and **K**.

(c) What is the role of the structures marked **X** during blood circulation?

51. (a) Name two states of matter through which heat travel by convection.

(i).....

(ii).....

(b) Why does heat travel faster in gases than solids?

(c) Apart from convection, give any one method of heat transfer through matter.

52. (a) Which organisms break down plant and animal matter to produce biogas?

(b) Why should the biogas digester be buried under the ground during biogas production?

(c) Give any two materials used to make bio gas.

(i).....

(ii).....

53. (a) State the importance of a pouch to a kangaroo.

.....

(b) Why are primates said to be outstanding of all other mammals?

.....

(c) Give any two primates in the environment.

(i).....

(ii).....

54. (a) What is a balanced diet?

.....

(b) Write down any two components of a balanced diet.

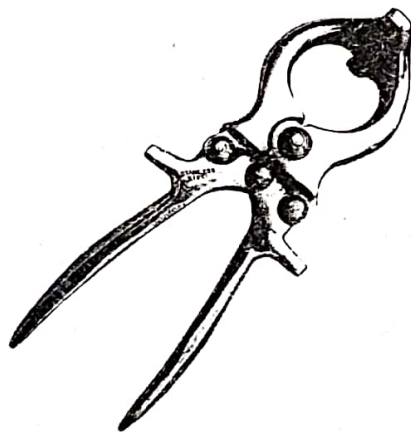
(i).....

(ii).....

(c) State the benefit of feeding on a balanced diet to the human body.

.....

The diagram below shows a farm equipment. *Study and use it to answer questions that follow.*



55. (a) Name the farm equipment shown in the diagram above.

.....

(b) How does the above equipment enable the farmer castrate his goats?

.....

(c) Give any two benefits of castration in goats.

(i).....

(ii).....

END