

# KWANIA DISTRICT EXAMINATIONS BOARD (KWADEB)

PLE MOCK ASSESSMENT 2024

INTEGRATED SCIENCE

*Time Allowed: 2 hours: 15 minutes*

INDEX NUMBER:

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Candidate's Name:.....

Candidate's Signature:.....

School Name. ....

District Name:.....

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

Read the following instructions carefully:

1. This paper has two sections: **A** and **B**.

Section **A** has **40** questions and Section **B** has **15** questions.

2. Answer all questions. All answers to both Sections **A** and **B** **MUST** be written in the spaces provided.

3. All answers **MUST** be written using a blue or black ball – point pen or ink. Any work written in pencil other than graphs, pictures and diagrams will not be marked

4. Unnecessary changes of work may lead to loss of marks.

5. Any handwriting that cannot easily be read lead to loss of marks.

6. Do not fill anything in the boxes indicated:

**“For examiner’s use only”** and those inside the question paper.

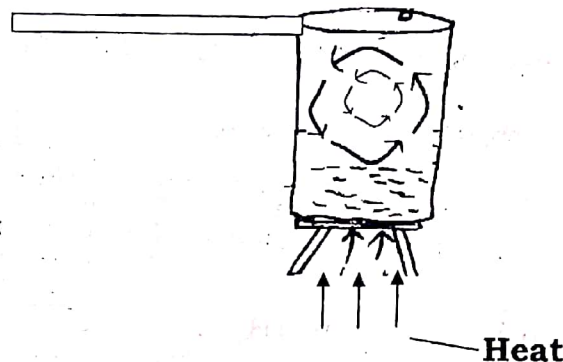
FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	EXR'S No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

2024

### **SECTION A (40 MARKS)**

1. Fatuma fell sick of cough and recovered after sometime. What type of immunity did she get?  
\_\_\_\_\_
2. Name the force which makes passengers in a vehicle to move forward and backward when the driver suddenly applies brake.  
\_\_\_\_\_
3. Give the importance of a nurse paddock in paddock grazing.  
\_\_\_\_\_
4. Which special chartcteristic make a scorpion different from all other arachnids?  
\_\_\_\_\_
5. Name one factor a doctor always consider when giving drugs to a patient.  
\_\_\_\_\_

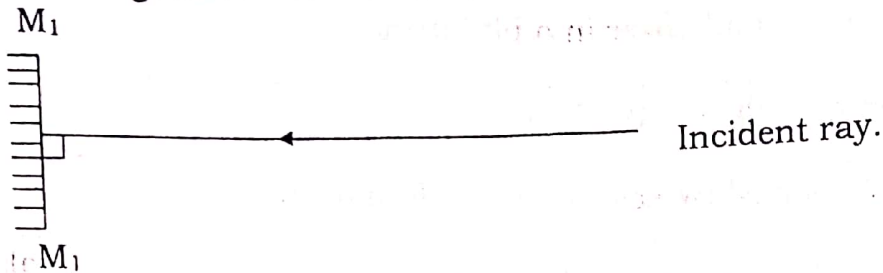
**The diagram below shows water being located from one end of the saucepan. Use it to answer question 6.**



6. What does the diagram above illustrate?  
\_\_\_\_\_
7. What health problem is Gloria most likely to have after becoming a young parent?  
\_\_\_\_\_
8. Name any one example of inventory record.  
\_\_\_\_\_
9. How best are deficiency diseases controlled in children?  
\_\_\_\_\_
10. Utensils were washed and not wiped, then kept in a cupboard. State what will happen to the water on the utensils after sometime?  
\_\_\_\_\_
11. By using a mahine, an effort of 90N was used to move a load through a distance of 4 meters, if the load moved was 180N, calculate the mechanical advantage of the machine.  
\_\_\_\_\_

12. How is gap filling different from thinning?

13. Study the diagram below and use it to answer the question that follow.



Complete the ray diagram in the diagram shown above.

14. State any one feature of essential drug.

15. How is birth control different from child spacing?

16. Apart from protection, give another function of fangs to a boomslang.

17. Which charactersitic allow floating objects remain buoyant on water?

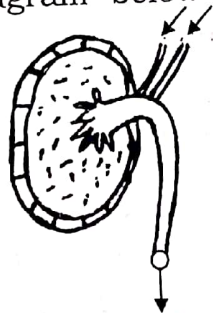
18. Give one material used to promote oral health.

19. Other than liquids, in which other state of matter is heat transferred by convection?

20. Name the charactersitic of a plane mirrior that enable it to produce regular reflection.

21. Why is it good to treat a wife together with her husband when they get syphilis?

22. Study the diagram below and use it to answer the question that follow.



Use R to show the part where filtration take place.



23. Bogere is a teacher who can not work when he has not drunk alcohol, give one health danger he is likely to have.

24. Define crop rotation?

25. State the value of a lid cover in a pit latrine

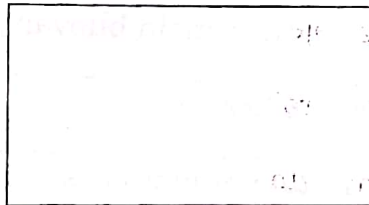
26. Give any one way algae reproduce.

27. Name the role played by septum in the human heart.

28. Apart from killing germs and parasites, name one other value of ironing clothes.

29. Write one quality of a good pigsty.

30. In the space provided below, draw a lens used to correct short sightedness.



31. In which part of a female reproductive organ does implantation take place?

32. State the importance of iron keepers in magnetism.

33. Why is the filament of electric bulb coiled?

34. State any one role of Uganda National Drug Authority.

35. Mr. Opio tamed a cat to kill rats in his house, what method of pest control is he practicing.

36. What is seed dormancy?

37. Write any one type of reflection of light.

38. Why are the wattles and combs of chicken having bright red colour.

39. Name any one example of a natural change in the environment.

40. Name any one condition which make a fertilized egg fail to hatch.

**SECTION B (60 MARKS)**

41. a) What is reflection of light?

b) State the two laws of reflection of light.

i. \_\_\_\_\_

ii. \_\_\_\_\_

c) Give one characteristics of images formed by plane mirrors.

42. Where do the following plants store their food.

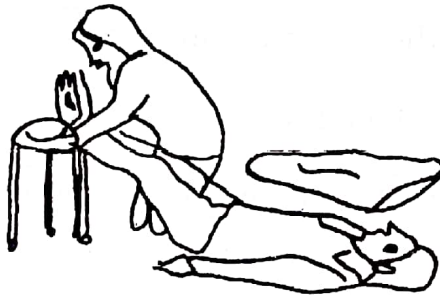
a) sweet potatoes \_\_\_\_\_

b) Irish potatoes \_\_\_\_\_

c) Sugar cane \_\_\_\_\_

d) Cabbages \_\_\_\_\_

43. The diagram below shows a girl helping a casualty who has fainted. Use it to answer the questions that follow.



a) State the major cause of the accident shown in the diagram above.

b). Give any one condition that may cause such an accident to occur.

c). Why should the first aider raise the patient's legs on the stool as illustrated in the diagram above?

d) Give a reason why the casualty above should be put in an open area free from crowding.

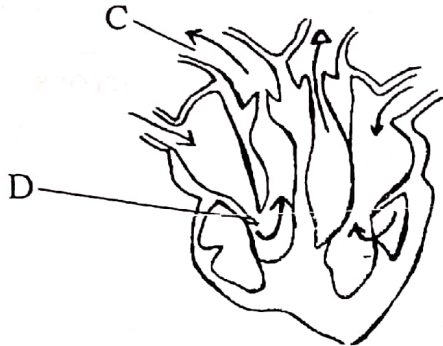
44. a) What is Apiculture?

b). Give the main duty of a queen bee in a bee hive.

c) State one reason why a drone bee is not commonly found in a hive.

d). name the type of bees that make a buzzing sound when flying.

45. The diagram below shows an organ in the human body, use it to answer the questions that follow.



- What type of blood is transported in blood vessel C?
- State the function of structure labelled D in organ above?
- To which body system does the above organ belong?
- Which blood vessel transport blood to the lungs?

46. a) Draw and name any two tools used in the garden.

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- b). State any two ways a farmer can prevent his garden tools from rusting.
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47. a). What is meant by the term joint?

- b). Identify the movable joint found at each part below.

i. Shoulder

ii. Elbow

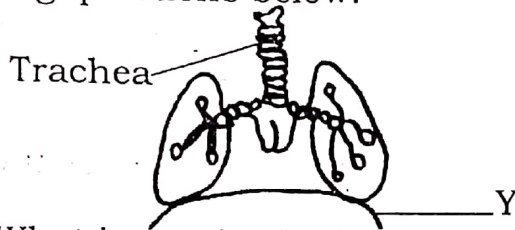
- c). Give the use of the synovial fluid at the joint.

48. The table below shows an important document used on a poultry farm. Use it to answer questions that follow.

Date	Disease vaccinated	No. of birds	Sign
12/3/2024	Coccidiosis	30	Dr. Obote Ivan
16/3/2024	New castle	38	Dr. Agum Innocent

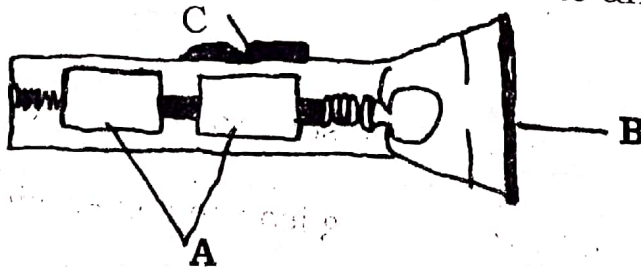


- a) What name is given to the above farm record.
  - b) Apart from the diseases vaccinated by Dr. Agum Innocent, give any one other disease caused by the same germ.
  - c) What causes the disease that was immunized on 12/3/2024.
  - d) Give any one other record that can be used in a poultry farm apart from the one mentioned in 43(a) above.
49. The diagram below shows the respiratory organ. Use it to answer the following questions below.



- a) What is respiration?
  - b) Name the part labeled Y.
  - c) State any one importance of respiration to the body.
  - d) Give any one function of the organ drawn above.
50. a). What are energy resources?
- b).How is water as an energy resource replaced when used up?
- c) Give two examples of useful energy resources got from water.
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_

51. The diagram below shows a torch. Use it to answer the questions that follow.



- a) Give the function of part labeled B on the torch.
- b).How is part marked C important in the functioning of the torch.
- c).Give one factor that can fail the bulb in the torch to give light.

d) How will you increase the brightness of the light given by the bulb in the torch?

52. Match the germs in list A with diseases they cause in list B correctly.

LIST A	LIST B
Syphilis	Chlamydia
Trachoma	Mycobacteria tetani
Tetanus	Treponema pallidum
Gonorrhea	Neisseria

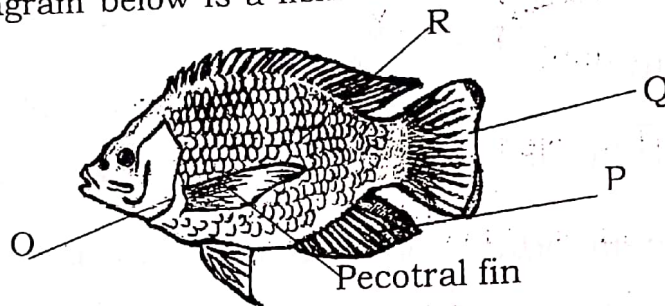
i. Syphilis \_\_\_\_\_

ii. Trachoma \_\_\_\_\_

iii. Tetanus \_\_\_\_\_

iv. Gonorrhea \_\_\_\_\_

53. The diagram below is a fish. Study it and answer the questions that follow.



a) Name the structure marked P.

b) What is the function of each of the structures marked Q and R.

i. Q \_\_\_\_\_

ii. R \_\_\_\_\_

c) State the function of the structure covered by the part marked O.

54. a) Give any two agents of soil erosion

i). \_\_\_\_\_

ii. \_\_\_\_\_

b) Name any one type of soil erosion that occurs in hilly areas.

b) How does over grazing lead to soil erosion?

55. a) Name any two permanent methods of family planning.

i. \_\_\_\_\_

ii. \_\_\_\_\_

b). Write down one effect of frequent birth to mothers.

c).Identiy one importance of family planning in communities.