



THE EYE EXAMINATIONS BOARD

SPECIAL PRE-PLE SET ONE

2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

EMIS No.						Personal No.		

Pupil's Name:

Pupil's Signature:

School EMIS No.

--	--	--	--	--	--

Read the following instructions carefully:

1. Do not write your **School** or **District** name 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 **08** 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.

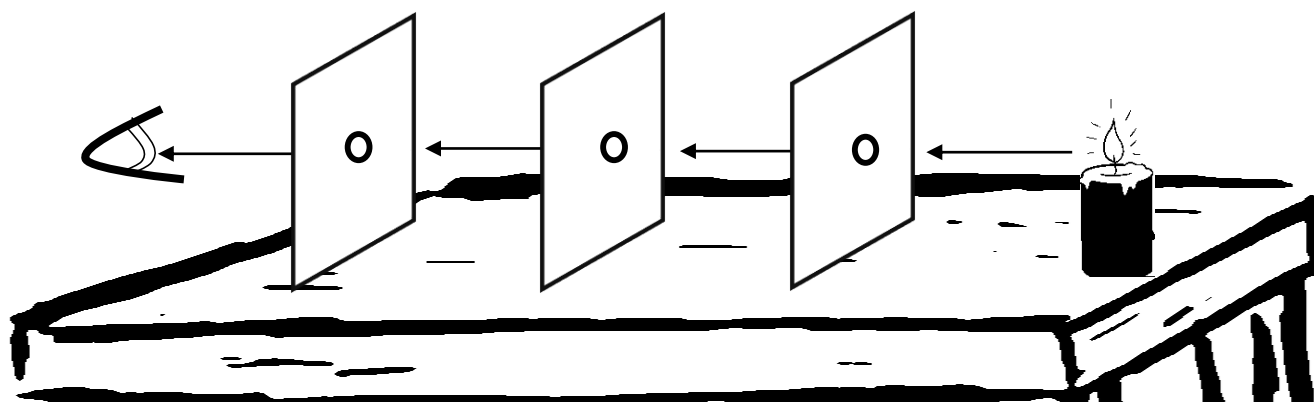
FOR EXAMINER'S USE ONLY		
QN No.	MARK	EXR'S No.
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

@2023 The Eye Examinations Board

SECTION A (40 MARKS)

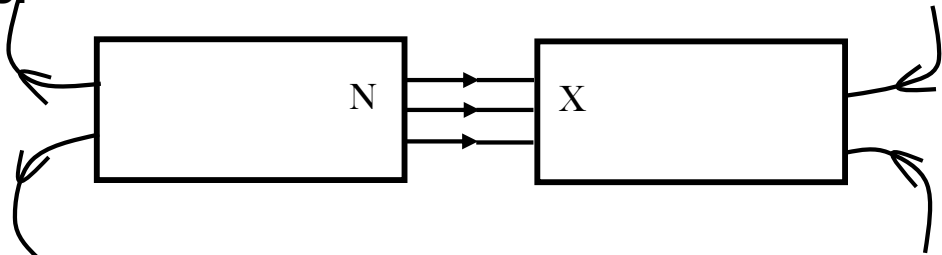
1. Name the first type of teeth to develop in human beings.
.....
2. What health habit should be practiced by P.7 candidates after visiting a latrine?
.....
3. Give any one way in which transpiration is important to the environment.
.....
4. How can the effects of a long spell of drought be controlled in an area?
.....
5. State any one way in which ringworm can be prevented among school children.
.....
6. Name the bee product which is a source of protein when eaten.
.....

The diagram below shows one of the properties of light. Use it to answer questions 7.



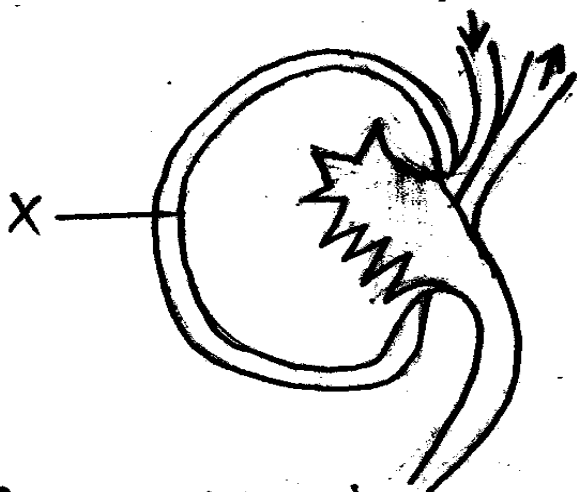
7. Name the property of light illustrated above.
.....
8. In which way are culex mosquitoes harmful to human health?
.....
9. Why do sweat glands produce more sweat during hot days?
.....
10. Name the human respiratory disease whose signs are noisy cough with mucus and difficulty in breathing.
.....
11. Give a reason why a person giving a kiss of life to a near drowning person should put a cloth on the victim's mouth.
.....
12. Which body organ is mostly affected by excessive drinking of alcohol?
.....
13. Write down one activity a wildlife club can do to conserve trees in a community.
.....

The diagram below shows a property of magnets. Use it to answer questions 14 and 15.



14. What will be the pole at X after attraction?
.....
15. State the property of magnets shown above.
.....
16. Why is it not advisable to use cold water when performing tepid sponging on a patient with high fever?
.....
17. How does a bat benefit from echoes?
.....
18. State any one factor to consider when choosing a variety of tuber crops.
.....
19. Name the mineral salt which solidifies to cause kidney stones disease.
.....
20. How can breast feeding affect the health of a baby?
.....
21. State the property of air applied when a person siphons water from a tank.
.....
22. Name the part of maize grain which is a food store.
.....
23. Which class of levers has the effort between the load and the fulcrum?
.....
24. How are primary sex changes important during adolescence?
.....
25. How does de-beaking improve productivity in poultry keeping?
.....
26. Which method of heat transfer keeps a lit charcoal stove burning?
.....
27. State the method which can be used to separate a mixture where one sinks and the other floats.
.....
28. How are wood shavings important to a bee keeper?
.....
29. Give any one example of nitrogenous wastes removed from the body.
.....
30. How does tar affect the human teeth?
.....

The diagram below shows a kidney. Use it to answer questions 31 and 32.



31. Give the importance of part marked with letter X.

32. Mention one way of caring for the above body organ.

33. Name the essential drug made from penicillium mould.

34. Apart from Romney marsh, name any one other exotic breed of sheep that is useful to textile industries.

35. Write down any one symptom of sleeping sickness.

36. Give any one way in which snakes are useful to crop farmers.

37. Which health condition in human being results from reducing supply of oxygenated blood to the brain?

38. How can farmers prevent sacks containing stored crops from absorbing moisture on the ground?

39. In which way are short bones important to the circulatory system.

40. Name any one method of milking cows.



SECTION B (60MARKS)

41. a). State the energy resource made from animal wastes like cow dung.

.....

b). In which two ways is biogas energy useful to people in rural areas?

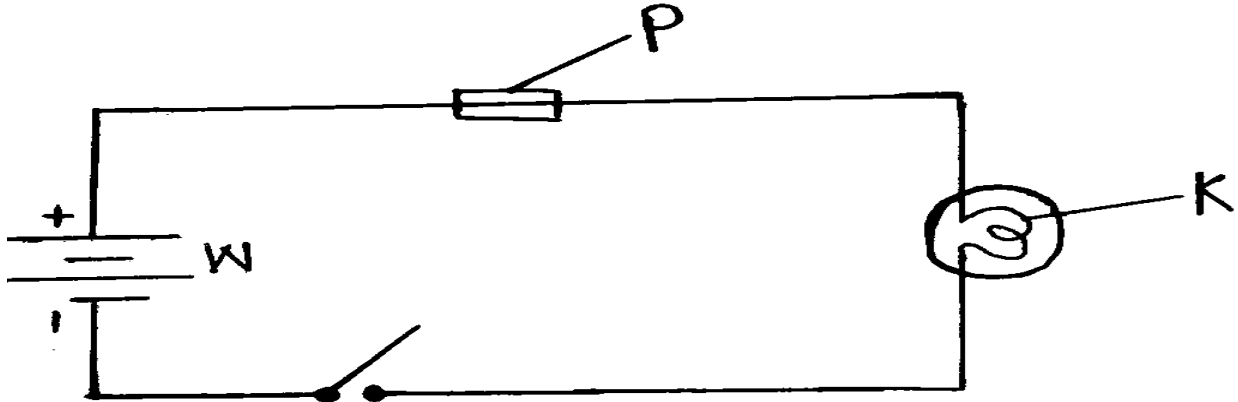
i.

ii.

c). State one way how biogas production promotes sanitation in the environment.

.....

42. ~~Below~~ is an electric circuit. Use it to answer questions that follow.



a) Name the part marked with letter p.

.....

b) How is the part named in (a) above adapted to its function?

.....

c) Mention down the energy change that takes place in W and K when the circuit is complete.

i. W

ii. K

43. a). Apart from producing sperms, state one other function of testes in the human body.

.....

b). In which part of the reproductive system do the following processes take place in females?

i. Copulation

.....

ii. Implantation

.....

c). Give one disorder of the reproductive system in females.

.....

44. a). Give the use of the following garden tools.

i. Wheel barrow.

.....

ii. Secateurs.

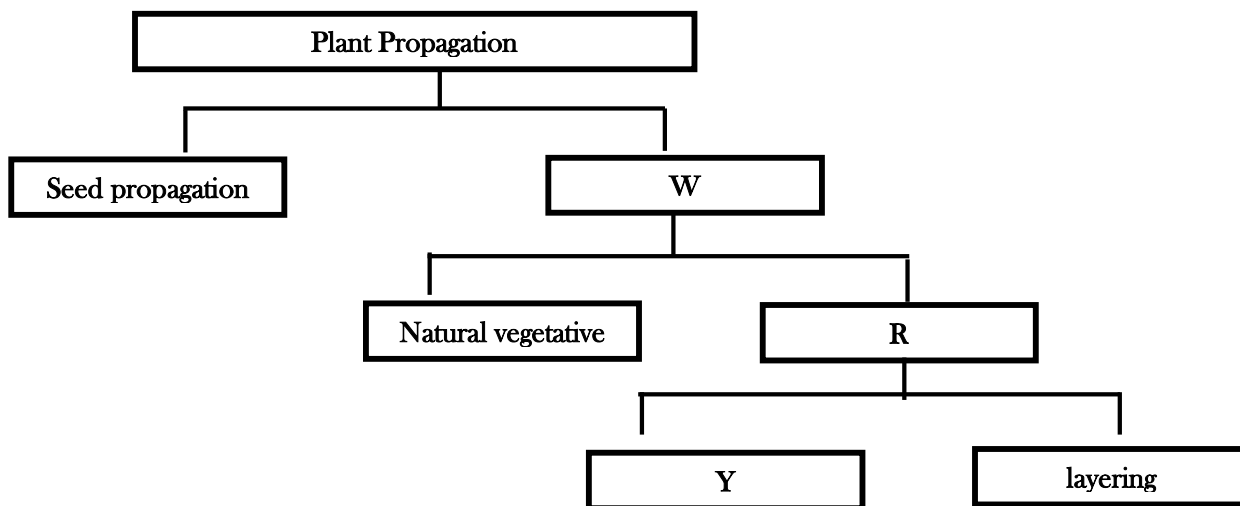
.....



b). Write down two activities that a farmer can carry out to keep garden tools in good working conditions.

.....
.....

45. The table below shows propagation in plants. Use it to answer questions that follow.



a) Name the type of propagation marked with letter W.

.....

b) State the method of propagation which is represented by letter R on the chart above.

.....

c) Why do farmers practice the mode of propagation labelled R?

.....

d) State any one plant propagated by layering.

.....

46. a) How is each of the following dangerous in the treatment of disease;

i. Under dose

.....

ii. Over dose

.....

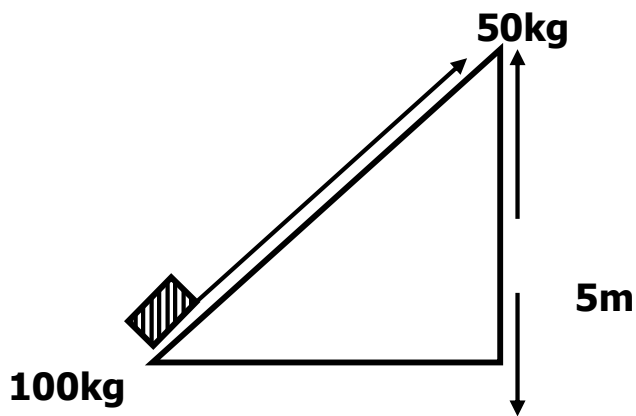
b). Give any two ways through which drug misuse can be controlled at home.

i)

ii)



47. Use the diagram below to answer questions that follow.



a) Name the simple machine drawn above.

.....

b) Work out the mechanical advantage of the above machine.

c) How can one use less than 50kg to lift the given load? (Give two possible ways)

i)

ii)

48. a). Write down two major causes of road traffic accidents.

i.

ii.

b). How are lollipops important on a busy road?

.....

c). Apart from a zebra crossing. Give one other point where a pedestrian can cross a busy road safely.

.....

49. a). In one sentence, give the meaning of the word reflection as used in light.

.....

b). Why do plane mirrors give regular reflection?

.....

c). State one law of reflection of light.

.....

d). How is reflection useful in our day to day life?

.....

50. In the table below, part A shows practices carried out in farm animals and part B has the importance of the practices.

Part A: Practices	Part B: Importance
i. Dehorning ii. Castration iii. Flushing up iv. Steaming up	➤ Controls in breeding ➤ Promotes proper growth of the foetus ➤ Reduces injuries to other animals ➤ Increases chances of ovulation

Use the importance in part B of the table to match the practices below.

i. Dehorning

.....

ii. Castration

.....

iii. Flushing up

.....

iv. Steaming up

.....

51. a). Name the process by which food moves down the tubular organs of the alimentary canal.

.....

b). Under which condition does pepsin and rennin work?

.....

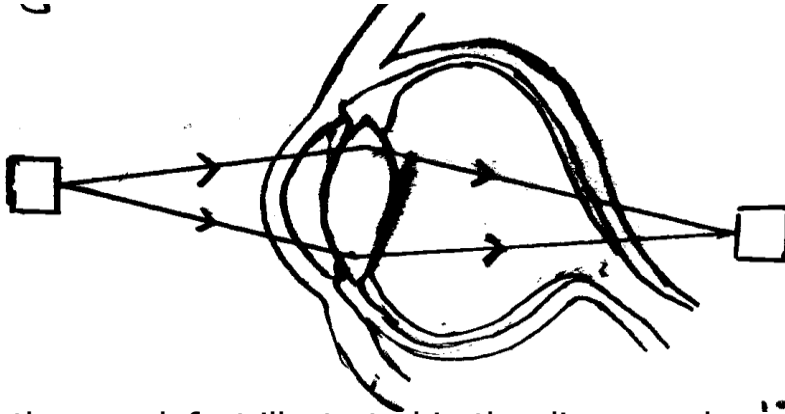
c). Identify the disease of the digestive system characterized by bloody stained stool.

.....

d). Why should food be properly chewed before swallowing?

.....

52. Use the diagram below and answer the questions that follow.



a) Name the eye defect illustrated in the diagram above.

.....

b) Which type of lens is used to correct the above defect?

.....

c) State one cause of the above eye defect.

.....

d) Apart from the above eye defect. Mention one other example of eye defects.

.....

53. a). Mention one disease that results from tobacco smoking.

.....

b). Give two reasons why people smoke.



i.

ii.

c). How can one protect himself against smoking?

.....

54. a). Apart from Rota Virus Diarrhea, mention any one other Immunisable disease where vaccine is administered through oral method.

.....

b). Name the disease recently immunized against, among all school age going children in Uganda.

.....

c). Mention any one type of immunity.

.....

d). Give any one reason why immunization is done for free in Uganda.

.....

55. a). Mention two elements of primary health care.

i.

ii.

b). State one way how the following elements of **PHC** can be promoted among the family members.

i. Personal hygiene.

.....

ii. Food and nutrition.

.....

END