

EDUCATION SOURCE 2024 EXAMINATION BOARD
SUPER PASS EXAMINATION SET V TERM I 2024
Integrated Science
Time allowed: 2 hours 15 minutes

NAME: _____

Signature: _____

EXAMINER'S USE ONLY

Stream _____

Date _____

A	
B	
TOTAL	

Read the following instructions carefully:

1. The paper is made up of section A and B.
2. Section A has 40 short answer questions (40 marks).
3. Section B has 15 questions (60 answers).
4. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written in blue ink.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. Do not write anything in the box indicated examiner's use only.

PARENT'S COMMENT	SIGNATURE

SECTION A:

1. Name the human body organ that enables the learners to remember what he is taught by the teachers.

2. What component of air is used in extinguishing fire?

3. Why should fruits be washed before they are eaten?

4. Give one human activity that has led to the destruction of wetlands.

5. How does a fish help in controlling the spread of malaria?

6. State any one practice on a school garden that helps to improve soil fertility.

7. What force enables a matchstick to light when it is struck at the side of its box?

8. Give any one way in which an Umbilical Cord is important to a developing foetus in the uterus.

9. Apart from hearing, give any one other function of the human ear.

Below is a scavenger bird. Use it to answer the question that follow.



10. What is the importance of the above bird in promoting the health in the community?

11. How is the function of the pulmonary artery different from that of other arteries?

12. State the compass direction in which a freely suspended magnet will rest.

13. Why does a stone sink when it is placed in a bucket full of water?

14. Patrick can only read his notes when the book is a distance not more than one meter from his eyes. What advice can you give him?

15. Give any one way grass-hoppers are important to people.

16. When it is said that Isaac is anaemic. What mineral is he lacking in his blood?

17. How can the School Health Committee tell whether a child is already immunized against measles without referring to the Child-Health Card?

18. Give one way in which plants benefit from animals.

19. Why are minerals grouped under non-renewable resources?

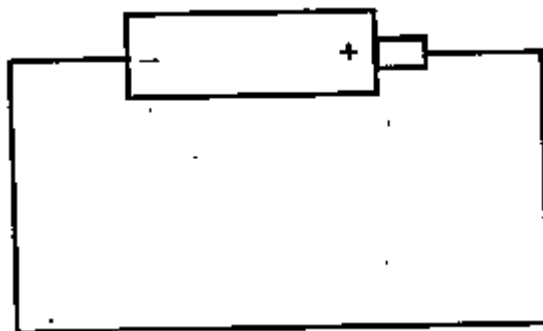
20. State any one use of a skeleton to a monkey.

21. State any one way of avoiding tooth decay.

22. What is the use of an anemometer to the weather station?

23. What type of family has the following people: husband , wife , son and niece?

24. **In the diagram below, indicate using an arrow the direction of the flow of electricity.**



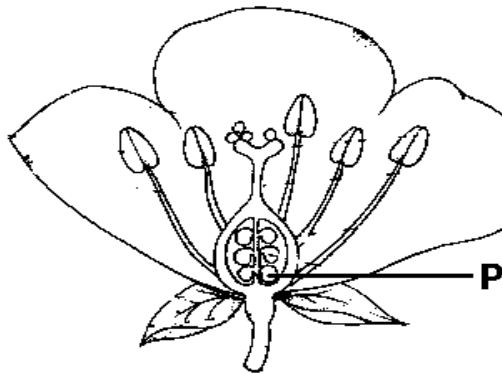
25. State one reason why loam soil is good for plants.

26. Give any one reason why people should test their blood for HIV/AIDS.

27. What is the use of a dustbin at a school?

28. Explain why light is seen before sound is heard during lightening on a rainy day?

29. What does the part labeled **P** become after fertilization in the flower shown below?



30. Apart from the type of soil, name one other factor to consider when constructing a house.

31. Mention one of the services of Public Health Care (PHC).

32. Give one difference between a pit latrine and a VIP latrine.

33. Why do electricity wires hanging on electric poles sometimes appear loose and at other times tight?

34. Give any one way a farmer can improve on the local breeds of cattle.

35. How is the reproduction of a duck-billed platypus different from other mammals?

36. Why is it dangerous to stay near someone who is smoking?

37. State any one physical change that occurs in female adolescents but not in male.

38. Sanita keeps her leftover food well covered. Why does it go bad after some time?

39. State any one way in which echoes are useful to bats.

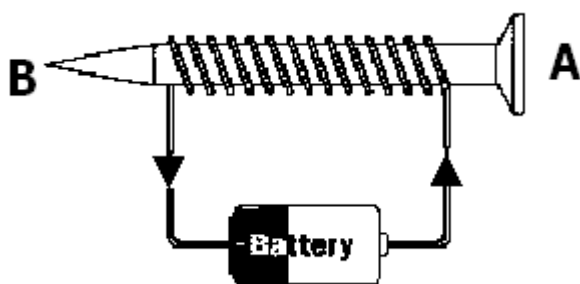
40. Give one reason why mercury is used in thermometers instead of water.

Section B

- 41(a) Give any two uses of water in our homes.
(i) _____
(ii) _____
- (b) State any one way water can be contaminated.

- (c) Give any one way water can be made safe for drinking.

42. **The diagram below shows a method of making a magnet. Study it and use it to answer the questions that follow.**



- (a) Name the method of making a magnet shown in the diagram above.

- (b) What pole will the end marked A become?

- (c) How can the strength of the magnet be increased?

- (d) State any importance of magnets to people.

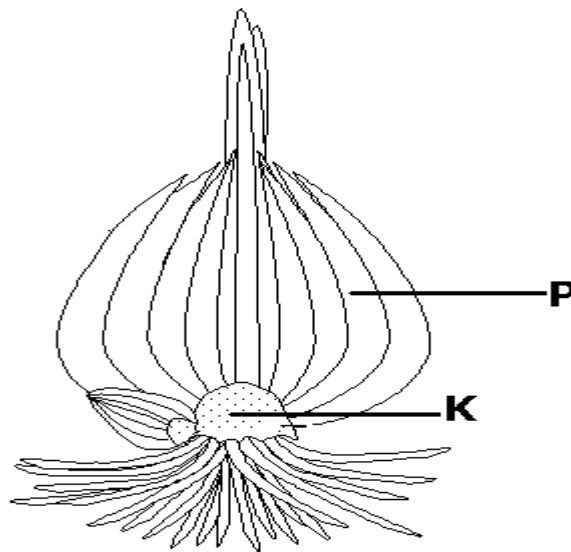
43(a) Give one reason why a frog is able to live both on land and in water comfortably.

(b) Give one difference between a frog and a toad.

(c) State any one importance of frogs to people.

(d) How does a frog protect its eggs laid in water from being eaten by its enemies?

44. **The diagram below shows an onion. Study and use it to answer the questions that follow.**



(a) Name the part labeled K.

(b) What is the function of part labeled P?

(c) What type of root system does the above onion have?

(d) How is the above plant propagated?

45. **Match items of group A with those of B.**

List A

Heart
Kidney
Skin
Lung

List B

carbon dioxide
sensory organ
circulation of blood
urine

- (a) Heart _____
- (b) Kidney _____
- (c) Skin _____
- (d) Lung _____

46. Some diseases can be treated without the use of drugs.

- (a) Give one example of such a disease.

- (b) How would you treat the disease you have named in (a) above?

- (c) Give one reason why drugs should be prescribed by health workers before they are used by sick people.

- (d) Name any one essential drug.

47(a) Give any three artificial methods of family planning.

(i) _____

(ii) _____

(iii) _____

- (b) State any one advantage of family planning to parents.

48(a) Apart from reducing the effort force needed to do work, give any other two advantages of using machines.

(i) _____

(ii) _____

- (b) Name any two types of machines.

(i) _____

(ii) _____

49. A boy of P.7 fell down from a mango tree on a school compound and broke his thighbone.

- (a) Name the injury that the boy got.

- (b) State any two ways in which the boy can be given First Aid.

(i) _____

(ii) _____

(c) What is the importance of giving first aid to a boy?

50(a) Give any two reasons why people should be stopped from using polythene bags.

(i) _____

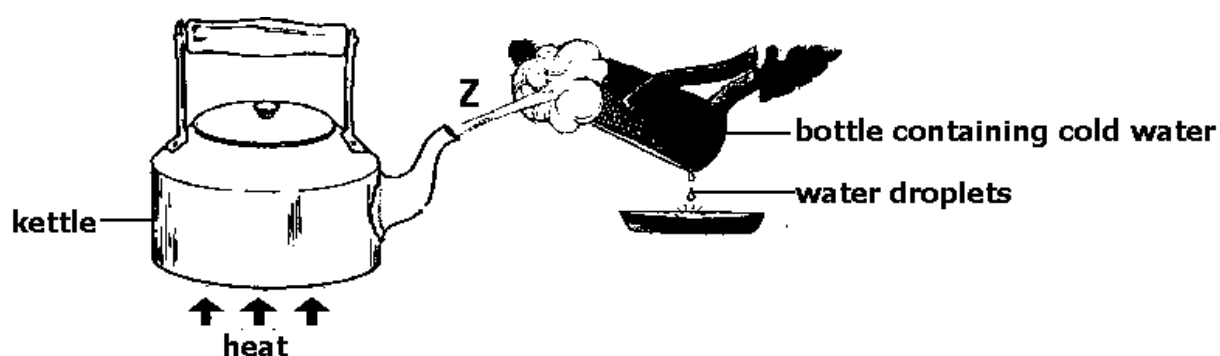
(ii) _____

(b). Name two steps should the government take to make sure that people totally stop using polythene bags.

(i) _____

(ii) _____

51. **In the diagram below water in a kettle is being heated and at the same time water is being collected.**



(a) Name the substance marked Z.

(b) By what process are the droplets formed?

(c) What form of energy has led to the formation of the substance marked Z?

(d) After some time of heating, there will be no more water in the kettle. What will have happened to the water?

52(a) Lightning can destroy buildings. Give any other two dangers of lightening.

(i) _____

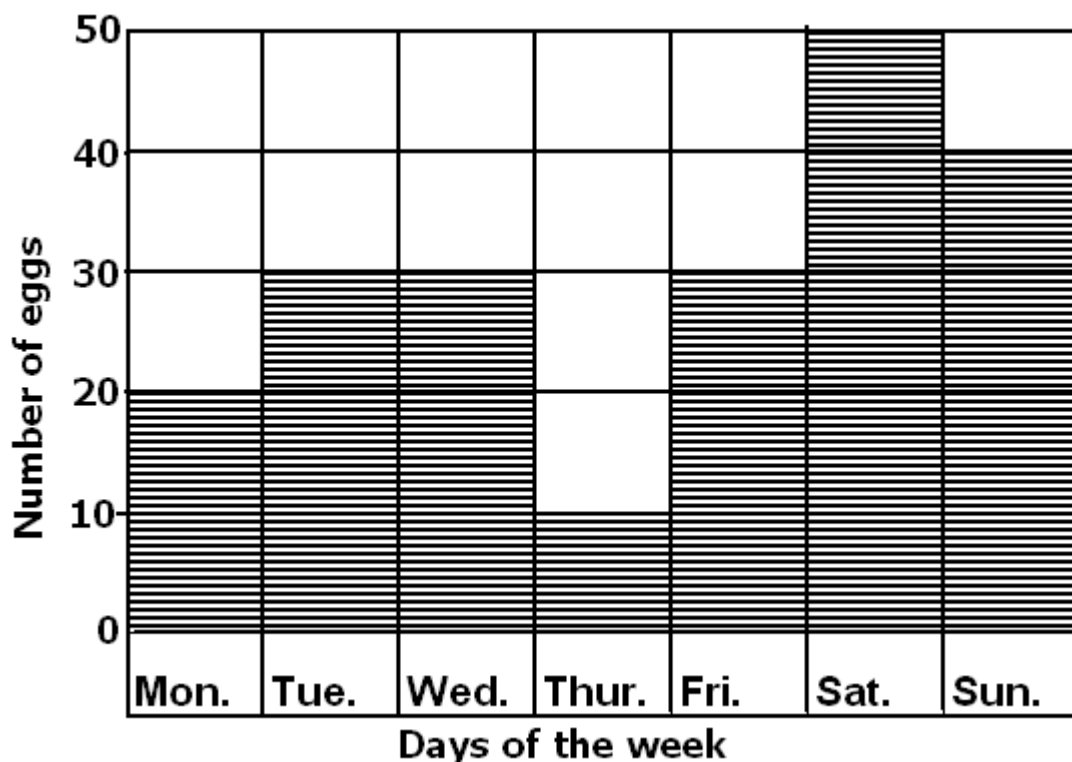
(ii) _____

(b) Give any other two ways in which people can protect themselves from dangers of lighting.

(i) _____

(ii)

53. The graph below shows the number of eggs laid daily on Bbosa's poultry farm. Study it carefully and answer the questions that follow.



- (a) On which day was the highest production of eggs recorded?
- _____
- (b) How many eggs were laid on Tuesday?
- _____
- (c) If an egg costs shs. 3000, how much money was collected from the eggs laid on Friday?
- _____
- (d). Suggest one problem that could have caused the low production of eggs on Thursday?
- _____

54(a) State any one advantage of breast feeding to the:

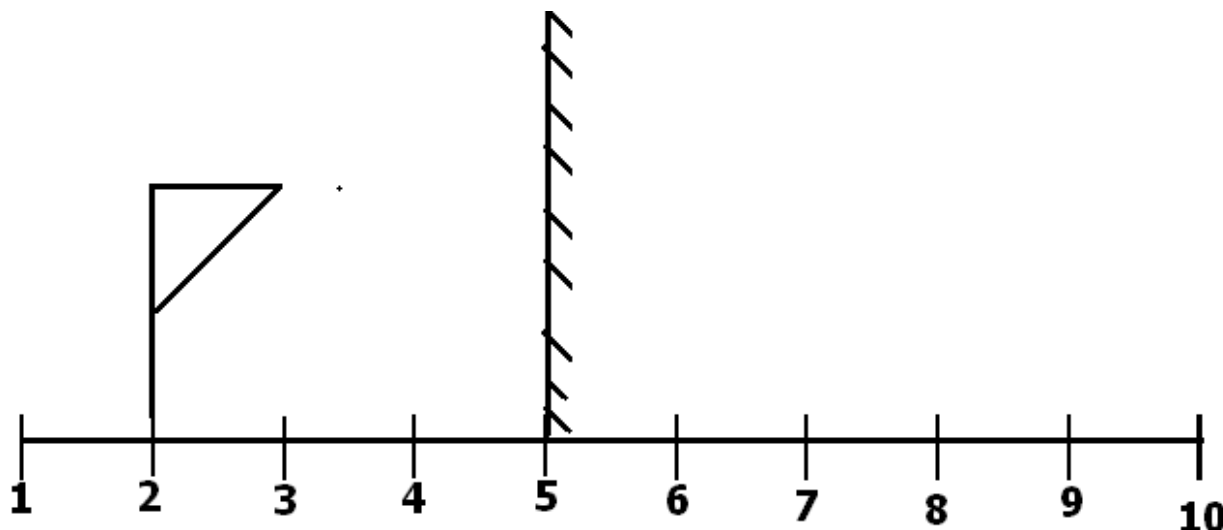
(i) mother

(ii) baby

(b) Give one disadvantage of bottle-feeding to the baby.

(c) What name is given to a meal containing all the food values in their right amounts?

55. **The diagram below shows an object Y placed in front of a plane mirror M. Use it to answer the questions that follow.**



(a) Draw on the diagram above the image of the object.

(b) Give any two characteristics of images formed in such mirrors mentioned above.

(i) _____

(ii) _____

(c) State any one use of side mirrors to motorists.
