

EDUCATION SOURCE EXAMINATION BOARD 2024
PLE MOCK EXAMINATION 2024
P.7 INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

TARGET MARK

Index No.

RANDOM NO.						PERSONAL NO.		

CANDIDATE'S NAME:

CANDIDATE'S SIGNATURE:

SECTION A

1. Name the body organ greatly affected due to excessive consumption of alcohol.

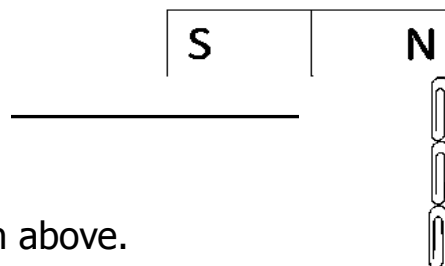
2. State the reason why objects sink in water.

3. Mention the activity done by sheep farmers to promote easy mating.

4. Give any one characteristic of chemical changes.

5. Name the product of respiration.

The diagram below is of a method of making magnets. Use it to answer questions 6 and 7.



6. Name the method shown above.

7. How can one improve on the strength of magnets made using the above method?
.....
8. In which way is heat transfer by conduction useful to Mr. Kakama?
.....
9. Name any one material used in a fire extinguisher?
.....
10. State one danger of too much noise to the people around.
.....
11. Write any one way of preventing garden tools from rusting.
.....

The diagram below is one of the practices carried out in a poultry farm.



12. How does the above practice control egg eating?
.....
13. Mention the weather condition that favours winnowing.
.....
14. Give one method of controlling pests without the use of chemicals.
.....
15. State one danger of food taboos in the community.
.....
16. Which element of Primary Health Care (PHC) is promoted by boiling water for drinking?
.....

17. Name the blood vessel that transports oxygenated blood from the heart to various parts of the body.

.....

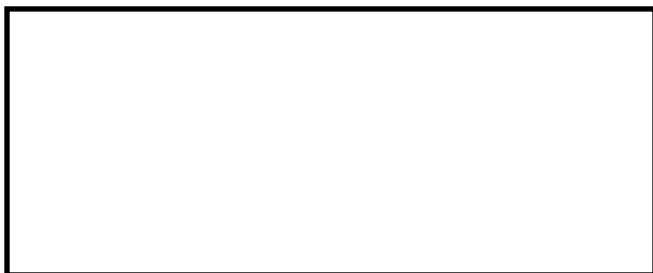
18. Why are logs covered with leaves or grass during the burning process in the production of charcoal?

.....

19. How does humidity affect the rate of transpiration?

.....

20. In the space provided below, draw a foot of a swimming bird.



21. Why is a hoe regarded as a simple machine?

.....

22. Give one adaption of a black jack to the mode of dispersal it undergoes.

.....

23. How is the feeding of a tapeworm different from that of a hookworm?

.....

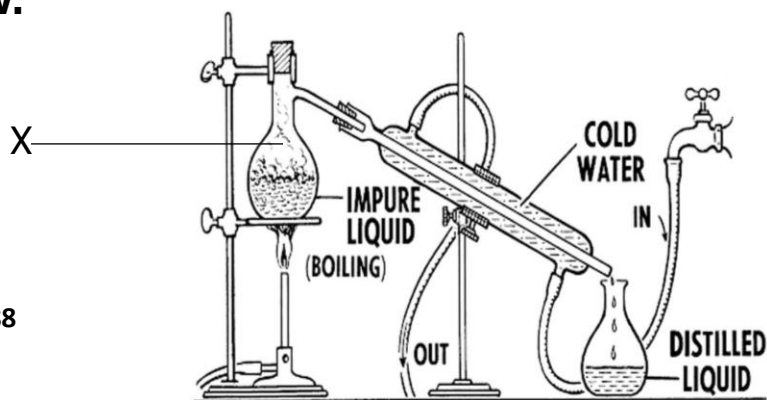
24. Why is lightning seen before thunder is heard on a rainy day?

.....

25. State the danger of a cheetah losing most of its teeth.

.....

The diagram below is a method of making alcohol. Use it for the questions the follow.



26. Name the substance obtained at Y.

.....

27. What is the importance of cold water in the method above?

.....

28. Why is a mosquito regarded as an arthropod?

.....

29. Give any one reason as to why farmers prefer rearing goats to cattle.

.....

30. Name the solute that aids in the replacement of energy to the victim of dehydration.

.....

31. Why is the filament of a bulb coiled?

.....

32. Mention one disease that attacks both rabbits and poultry.

.....

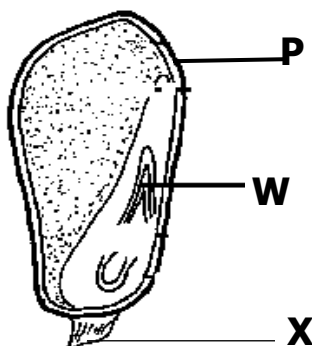
33. To which group of musical instruments do xylophones belong?

.....

34. Why are plants referred to as renewable resources?

.....

Study the diagram and answer the questions 35 and 36.



35. Which part protects the seed above from external injury.

.....

36. With a line segment and letter E, show the part which stores food for the embryo.

37. In which way are the rings of cartilage useful to the trachea?

.....

38. What protects the walls of the alimentary canal from being digested?

.....

39. Name the part of the skeleton that protects reproductive parts.

.....

40. Give any one reason for making alloys.

.....

SECTION B

41a) What causes conjunctivitis?

.....

b) Give any one sign of conjunctivitis.

.....

c) Suggest two control measures for conjunctivitis in the community.

(i)

(ii)

42a) How is the function of a ligament different from that of a tendon?

.....

.....

b) Name the part of a skeleton that has suture joints.

.....

c) Apart from the synovial fluid, what else helps to reduce friction at a joint?

.....

d) State one way of keeping the skeletal system in a good state.

.....

43a) What is fainting?

.....
.....

b) Give any two conditions that lead to fainting.

(i)

(ii)

c) Why are legs of a fainted person raised above the head when giving first aid?

.....

44a) Who is an adolescent?

.....
.....

b) Give two secondary sex characteristics common in both boys and girls.

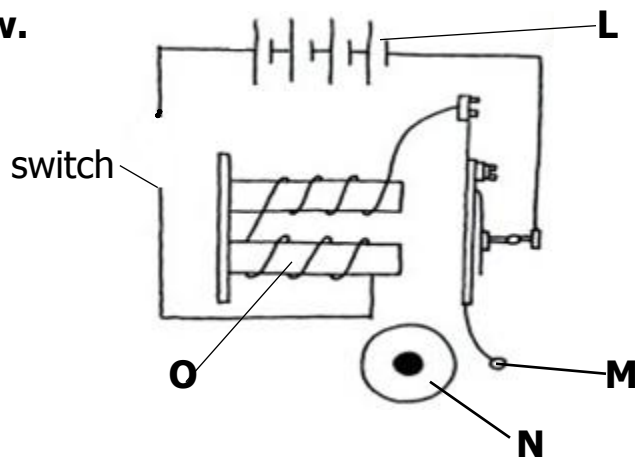
(i)

(ii)

c) How can adolescents safeguard themselves against teenage pregnancies?

.....

45. The diagram below shows an electric bell. Use it to answer questions that follow.



a) Name the parts labelled **L** and **M**.

(i) L.....

(ii) M.....

b) State the function of part marked **N**.

.....

c) What happens to part **O** when the switch is closed?

.....

46a) Name one example of a vegetable grown in a nursery bed.

.....

b) State two importance of a nursery bed.

(i)

(ii)

c) Give one way of caring for seedlings in a nursery bed.

.....

47a) Name any two examples of plant fibre.

(i)

(ii)

b) Give any two products obtained from animal fibre.

(i)

(ii)

48a) Give two breeds of pigs kept in Uganda.

(i)

(ii)

b) State one consideration when selecting a breed of pigs to rear.

.....

c) Why should a pigsty be made of a slanting floor?

.....

49a) State a reason why a kidney is regarded as an excretory organ.

.....

b) Apart from the kidney and liver, give one other example of an excretory organ.

.....

c) Name one disease of the kidney.

.....

d) How can a P.7 candidate of Mother Majeri take care of his/her kidneys?

.....

50a) What are insulators as used in electricity?

.....

b) State the importance of proper insulation in electrical installation.

.....

c) How is the function of a switch similar to that of a fuse?

.....

d) Calculate the voltage produced by four pairs of dry cells.

51a) What are sexually transmitted diseases?

.....

.....

b) Name two bacterial sexually transmitted diseases that affect the reproductive system.

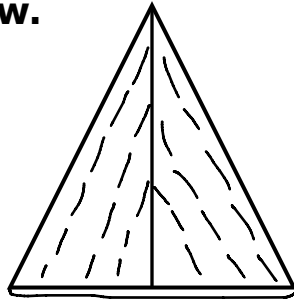
(i)

(ii)

c) Which STD can be controlled by proper personal hygiene?

.....

52. The diagram below is of a simple machine. Use it to answer the questions that follow.



a) Name the group of simple machines to which the above belongs.

.....

b) State two uses of such simple machines.

(i)

(ii)

c) Give one way of caring for such machines.

.....

53a) How is dehydration different from rehydration?

.....

.....

b) Give any two signs of a dehydrated child.

(i)

(ii)

c) Name one mineral salt lost during dehydration.

.....

.....

54. Study the illustration below and answer the questions that follow.

Grass → grasshopper → frog → snake

a) What feeding relationship is shown in the illustration above?

.....

b) What do the arrows show in the illustration above?

.....

c) Name the primary and secondary consumer from the illustration above.

(i) primary consumer

(ii) secondary consumer

55. Kadogo's child accidentally mixed salt, sand and iron filings together. In four (4) sentences, describe how he will recover salt.

(i)

.....

(ii)

.....

(iii)

.....

(iv)

.....

END