

KAYUNGA DISTRICT ACADEMIC BOARD

PLE MOCK EXAMINATION 2023

PRIMARY SEVEN

INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

Index No.	Random No.	Personal No.

NAME: _____

SCHOOL: _____

SIGNATURE: _____

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

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- 1 The paper is made up of two section A and B
- 2 Section A has 40 questions (40 marks) and Section B has 15 questions (60 marks)
- 3 Answer all questions in both sections A and B.
- 4 All answers must be written in the spaces provided in BLUE or BLACK ink.
Only diagrams should be drawn in pencil.
- 5 Unnecessary crossing will lead to loss of mark
- 6 Poor handwriting, which can not be easily read may lead to loss of marks.

FOR EXAMINER'S USE ONLY

SECTION	SCORES	REMARKS
A		
B		
TOTAL		

Teacher's comment to the pupil

SECTION A (40 Marks)
(Question 1 to 40, carry one mark each)

1. Name the reproductive part of a flowering plant.

2. State the form of energy stored in a dry cell.

3. Name **one** living component of soil.

4. State the structure of the heart that prevents the back flow of blood.

5. Give at least **one** activity done on a health parade.

6. What are machines?

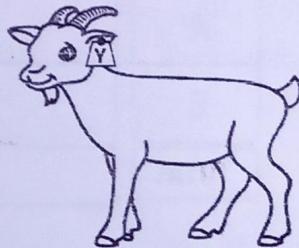
7. Name the sterile female bee in a hive.

8. Name dangerous substance in tobacco.

9. Give **one** danger of drug abuse to a primary seven pupil.

10. State **one** diarrhoeal disease

11. Study the diagram below carefully and use it to answer question 11 and
12.



11. Name the structure labelled with letter Y.

12. State the importance of part marked Y in the diagram above.

13. How are monotremes similar to birds in their way of reproduction?

14. Name the type of accident caused by dry heat.

15. State any **one** reason as to why biological change is said to be different from physical change.

16. Suggest **one** reason why a cattle keeper should keep farm records.

17. State deficiency disease that leads to gun bleeding.

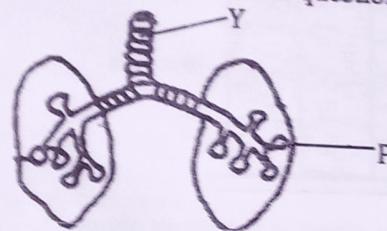
18. Cite out **one** way how plants benefit from animals.

19. What determines the sinking and floating of objects?

20. Identify the disease of rabbits that affect goats.

21. Name the domestic rodent kept for meat.

22. Study the diagram below and use it to answer questions 22 and 23



Why is structure marked Y kept open all the time.

23. What process takes place in part marked P in the diagram above.

24. Which enzyme is contained in saliva?

25. State **one** advantage of seed dispersal.

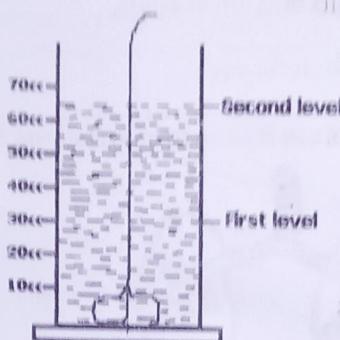
26. Name the part of the tooth that contains calcium and phosphorous

27. How is moulting important to insects?

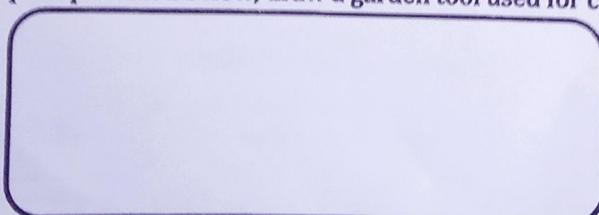
28. Change 40°C to degrees Fahrenheit.

29. List at least **one** method of vegetative propagation.
30. How is a micropyle important to a germinating seed?
31. Why does a black piece of cloth dry faster than a white piece of a cloth *when hanged under sunshine at ago*.
32. Why does a delivery tube pass through a bath of cold water during distillation?

The diagram below shows a method of finding the volume of objects. Use it to answer questions 33 and 34.



33. Find the volume of irregular object in the figure above.
34. Why does the level of water increase after immersing the irregular object in the cylinder?
35. Identify any **one** scale of a clinical thermometer.
36. Give any **one** method of harvesting trees.
37. Name the part of the mammalian ear that balances the body?
38. Who is an invalid?
39. In the space provided below, draw a garden tool used for cutting shrubs.



40. Why is the earth called a magnet?

SECTION A (40 Marks)

(Question 41 to 55, carry four marks)

41. (a) Define the following term;
① Reflection of light _____
② Refraction of light _____
- (b) Mention any one type of reflection of light.

- (c) Give any one effect of refraction of light.

42. (a) Name the two processes that takes place in leaves.
① _____
② _____
- (b) How do we call the food manufactured in plant leaves?

- (c) Identify the green colouring matter in a leaf that trap sunlight energy.

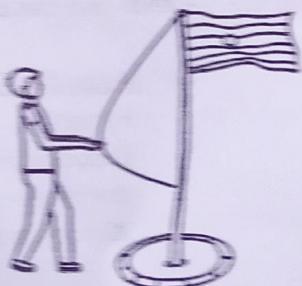
43. (a) By what process is top soil carried away.

- (b) Mention two causes of the above process named in 43 (a).
① _____
② _____
- (c) Give one effect of the process named in 43 (a) above.

44. (a) What type of a metamorphosis does a tsetse fly undergo?

- (b) Identify the destructive stage of a house fly.

- (c) Mention any two vectors which are common at spreading diarrhoea germs.
① _____
② _____
45. Below is a common activity carried out at school. Study it and answer the questions that follow.



(a) Name the activity being carried out in the diagram above.

(b) What type of pulley is involved in the above activity?

(c) With help of an arrow, show the direction of the effort in the diagram.

(d) Apart from pulleys, give any other group of simple machines.

46. (a) What is Primary Health Care?

(b) Mention any **one** principle of PHC.

(c) Why should every home construct a plate stand?

(d) Which element of PHC controls the population of a country?

47. (a) Why do farmers dock their sheep?

(b) Identify the best wool product among sheep.

(c) Suggest any **one** product got from wool.

(d) What is shearing in sheep management?

48. (a) Briefly differentiate between first aid box and first aid kit.

(b) What name is given to a structure used to carry casualties who cannot walk?

(c) Give any **two** common accidents at school.

(i) _____

(ii) _____

49. The following are mixtures and the methods that can be used to separate them, match them correctly.

Mixtures

Salt solution

Rice and husks

Seeds in fruit juice

Oil and water

Methods of separating

Filtration.

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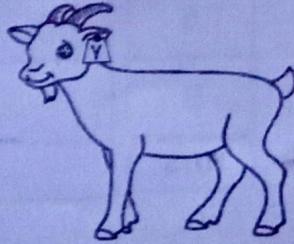
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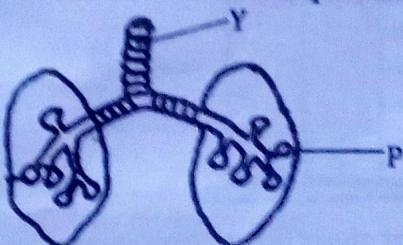
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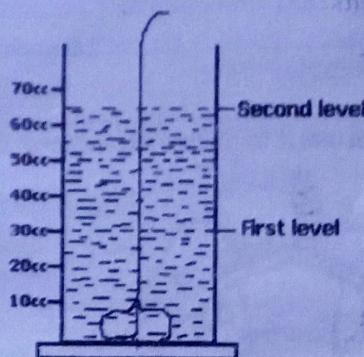
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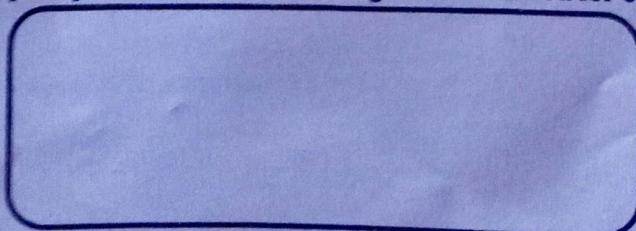
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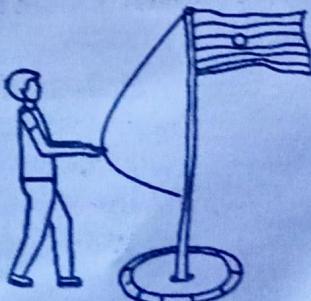
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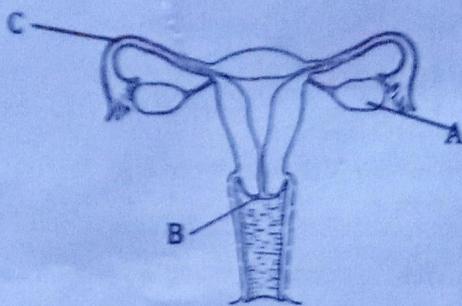
Evaporation to dryness.

Use of separating funnel.

Winnowing.

- (i) Salt solution _____
- (ii) Rice and husks _____
- (iii) Seeds in fruit juice _____
- (iv) Oil and water _____

50. The diagram below shows a female reproduction system, study it carefully and answer the questions that follow



- (a) Name the parts labeled with letters
- (i) A _____
- (ii) B _____
- (iii) C _____
- (b) Which letter represents the part where fertilization takes place?

51. (a) What is drug prescription?

(b) Give two components of drug prescription.

- (i) _____
(ii) _____

(c) Give one danger of buying drugs from shops?

52. List the list of food stuff given below to answer the questions that follow.

BEANS, RICE, CABBAGE, MILK, ORANGES

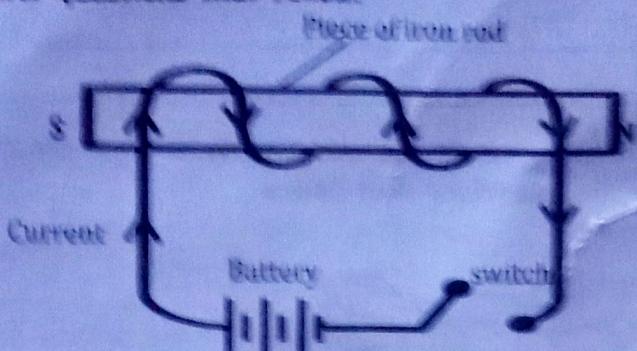
(a) Give two food stuffs that are sources of proteins.

- (i) _____
(ii) _____

(b) How are cabbages useful in one's diet?

(c) Why would you regard a list of food stuff shown above as a balanced diet?

53. (a) The diagram below shows a method of making magnet. Use it to answer questions that follow.



(a) Name the method of making magnets shown above.

(b) How can one determine the pole of magnet using the method above?

(c) Mention any two factors that determines the strength of a new magnet made in the method shown above.

- (i) _____
(ii) _____

54. (a) What term is given to a reflected sound?

(b) In which two ways is a reflected sound useful to bats?

- (i) _____
(ii) _____

(c) State how sound is produced.

55. (a) How can a farmer improve on his local breeds of chicken?

(b) Identify the commonest system of rearing poultry in rural areas.

(c) How can crop farmer benefit from poultry?

(d) Why do some birds lay eggs with soft shells?