

UPSHA JOINT MOCK EXAMINATION 2023

Primary Seven Integrated Science

TIME ALLOWED: 2 HOURS 15 MINUTES

Index No.	Random No.					Personal No.		

NAME: _____

SCHOOL: _____

SIGNATURE: _____ DISTRICT: _____

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

UPSHA JOINT MOCK 2023

TURNOVER

SECTION A (40 Marks)

(Question 1 to 40, carry **one** mark each)

1. Which vector spreads river blindness?

2. State the function of valves in the veins and the human heart.

3. Convert 100°C to $^{\circ}\text{F}$.

4. Why do objects weigh less when they are put in water than in air?

5. State **one** way how health parades are useful in schools.

The diagram below shows a germinating seed.



6. Identify the type of germination the above seed undergoes.

7. Name the immovable joint in the body.

8. Identify any **one** form of energy got from the sun.

9. Why is water grouped under renewable resources?

10. State **one** use of magnet to health workers.

11. Give any **one** way of conserving minerals as a resource.

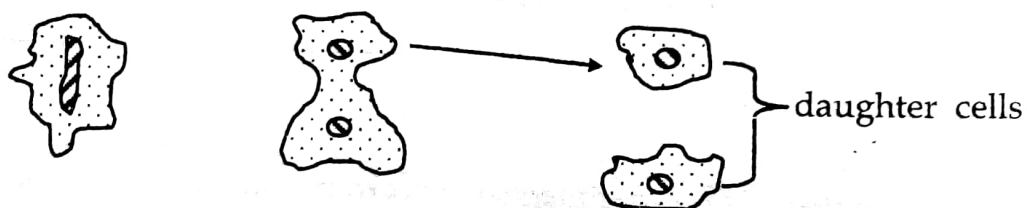
12. How can a mixture of cooking oil and water be separated?

The diagram below shows a practice on poultry farm. Study it carefully and answer question 13.



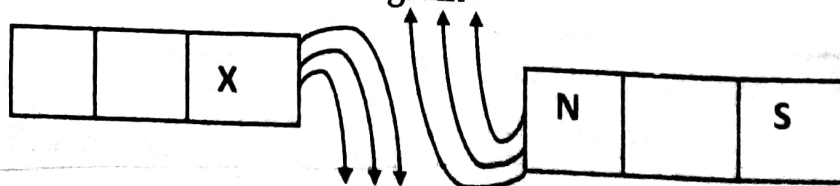
13. State the importance of the practice shown above.
14. Write down material bees collect from flowers.
15. Mention the class of food digested in the mouth.
16. Write **AIDS** in full.
17. Which pandemic disease tortured many people worldwide?
18. Define the term friction.
19. A boy pushed a log using a force of **200N** through distance of **8meters**. Calculate the work done by the boy.

Study the mode of reproduction shown below and answer the questions.



20. What do we call the kind of reproduction in forming daughter cells?
21. Name the substance in cigarette smoke which is harmful to the lungs.
22. What class of food is acted upon by the bile in the duodenum?
23. Identify the part of the ear that picks up sound.
24. Write down any **one** reason why farmers castrate some of their Billy goats.
25. Give the importance of lightening in the environment.

Below are magnets as shown in the diagram



26. What happens when the above two magnets are brought together.

27. Name the pole **X** on the above magnet.

28. Name the germ that causes malaria.

29. Mention the major product got from bee keeping.

30. Name the type of lens drawn in the diagram.



31. How does sound travel?

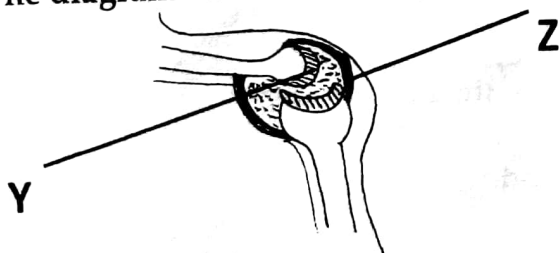
32. What scientific name is given to the three bones found in the ear?

33. Mention **one** method of preserving food in the modern way which people use.

34. Give **any one** way of preventing skin disease in humans.

35. Mention another method of making magnet apart from using double touch method?

The diagram below shows a joint in the body.



36. Name the part marked **Z** on the diagram.

37. How important is the liquid marked **Y** to the bones.

38. Why do farmers prefer rearing saanen goats to mubende goats?

39. Which intestinal worms enter the body through eating half cooked meals.

The diagram below is a farm equipment, Use it to answer the questions that follows.

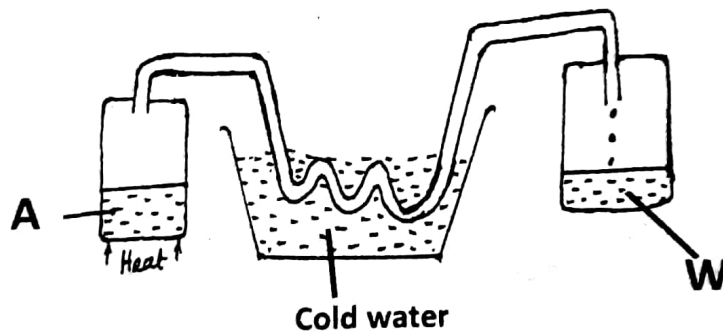


- 10) a) State the function of the farm equipment shown.
- b) Which cattle disease is detected using the above equipment?

SECTION B (60 Marks)

(Question 41 to 55, carry four marks)

41. (a) Mention the **two** types of bones found in the body.
- (i) _____
- (ii) _____
- (b) Name any **one** element needed for proper growth of bones and teeth.
- (c) State any **one** way of maintaining proper growth of the skeletal system.
42. The diagram below shows a method of making alcohol. Study it carefully and answer the questions that follows



- (a) What scientific name is given to the process A?
- (b) State the importance of cold water to the above equipment.
- (c) Name the method of making alcohol illustrated above.
- (d) Give the scientific name of the substance W.

43 Match the following to their meanings used in sound energy.

A
Pitch
Volume
Echo
Frequency

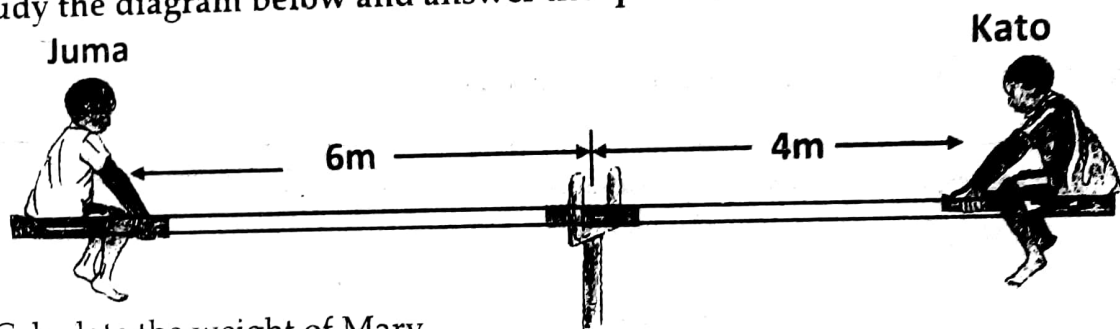
B
Number of vibration per second.
Loudness or softness of sound.
Reflected sound.
Highness or lowness of sound.

- (i) Pitch _____
(ii) Volume _____
(iii) Echo _____
(iv) Frequency _____
44. (a) What do we call the gas produced by collecting animal waste and plant residues?

(b) What do we call the remains in the digester when the gas formation stops.

(c) Give any **two** advantages of using bio gas.
(i) _____
(ii) _____

Study the diagram below and answer the questions below.



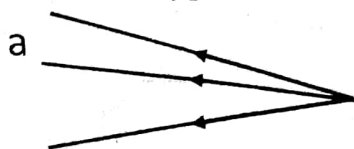
45. (a) Calculate the weight of Mary.

(b) To which class of lever does the above equipment belong?

(c) Apart from the above named simple machine, state any **two** other group of simple machines.

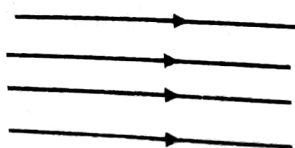
(i) _____
(ii) _____

46. (a) Name the types of beam of light.



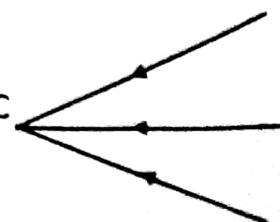
a _____

b



b _____

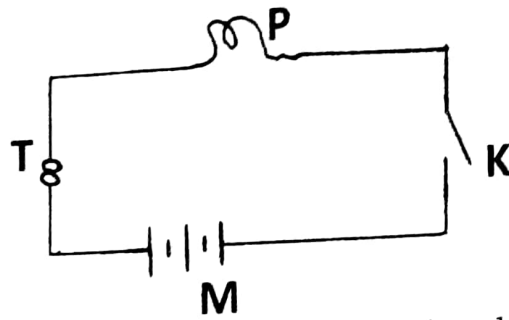
c



c _____

(c) How can a cattle farmer improve on his breeds of cattle?

The diagram below is of an circuit, Use it to answer the questions that follow



52. (a) State what happens to part **P** when **K** was closed.

(b) Give a reason for your answer in (a) above.

(c) State any **one** energy change that takes place in part **P** where the circuit is complete.

(d) In what form is electricity stored on part marked **M**.

53. (a) Give any **one** component of soil.

(b) Which component of soil is affected by excessive use of chemical fertilizers?

(c) Name any **one** example of organic fertilizers.

54. (a) List down **two** renewable resources.

(i) _____

(ii) _____

(b) Give **one** reason why electricity is friendly in the environment.

(c) Give **one** way of preserving plants as a resource.

55. (a) State the function of each of the following.

(i) Heart _____

(ii) Kidney _____

(b) Give **two** ways of caring for the body organs.

(i) _____

(ii) _____

(b) What do we call the materials/objects that do not allow any part of light to pass through?

47. (a) Mention **one** example of a mammal.

(b) Why is a cow regarded as a mammal?

(c) Under which group are monkeys?

(d) What is a mammal?

48. (a). Mention any **two** methods of preserving food.

(i) _____

(ii) _____

(b) What is food preservation?

(c) Why are people encourage to preserve their food?

49. (a) What is matter?

(b) List down any **two** state of matter.

(i) _____

(ii) _____

(c) Which gas enables rusting of metals to occur?

50. (a) Give **two** ways of making water safe for drinking.

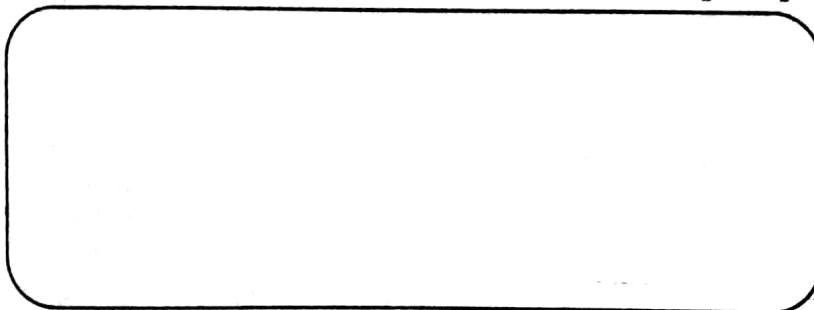
(i) _____

(ii) _____

(b) Why is distilled water not recommendable for drinking?

(c) Mention **one** way water gets contaminated in a water source.

51. (a) Draw the shape of dairy breed of cattle in the space provided below.



(b) Give any **two** examples of beef cattle.

(i) _____

(ii) _____