



PACE-PREPARE A CHILD EXAMINATION BOARD
PACE CONSO PRIMARY LEAVING EXAMINATION SET 8
2024

INTEGRATED SCIENCE

Time Allowed 2 hours 15 minutes

Random No.						Personal No.		

Pupil's Name:

Pupil's Signature:

School Name:

Read the following instructions carefully:

1. Write your **school name** on the paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **14** questions. The paper has **11** 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 other than drawings 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 EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

SECTION A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Name any **one** sign of a sick rabbit in a rabbitry.

.....

2. How does intercropping improve soil fertility?

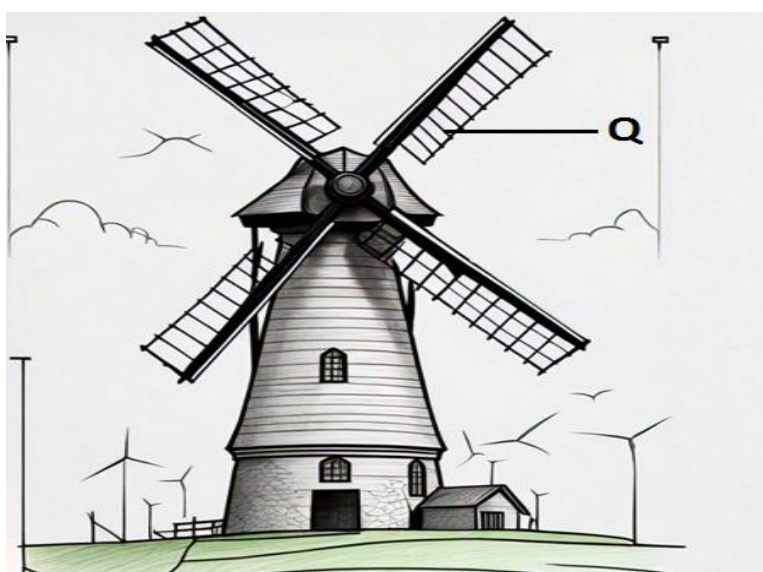
.....

.....

3. State any **one** way in which conception is similar to fertilization.

.....

The diagram below is a device used to harvest wind energy. Study and use it to answer questions that follow.



4. Name the part marked with letter **Q**.

.....

5. Mention any **one** way in which the wind energy harvested by the above device is useful in the community.

.....

.....

6. Write any **one** component of sugar, salt solutions

.....

Turn Over

The diagram below shows a certain part of a crop. Study and use it to answer questions that follow



7. Name the group of crops to which the crop that produces the above part belong.

.....

8. State any **one** reason to support your answer in **7** above.

.....

9. Identify any **one** way intestinal worms use to enter into our bodies.

.....

10. How does gap filling control competition between crops and weeds?

.....

11. State any **one** importance of insulators of electricity.

.....

12. Write any **one** reason that makes friction a nuisance force.

.....

13. Write **one** difference between heat and temperature.

.....

.....

14. What is meant by the term first aid?

.....

.....

15. State any **one** characteristic of images formed by a pinhole camera.

.....

.Turn Over

16. Write any **one** characteristic of disease vectors to spreading germs.

.....

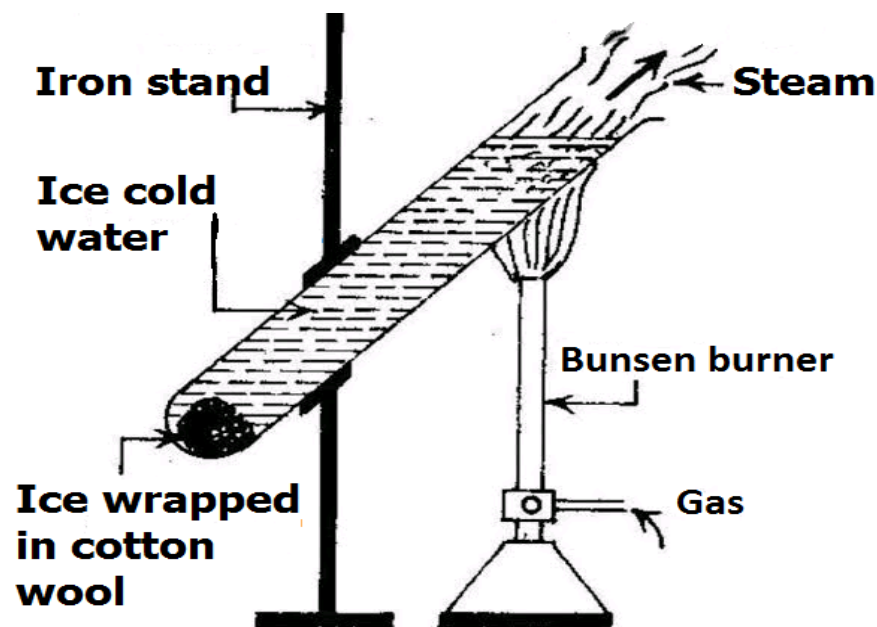
17. In which **one** way are chemical changes useful in our community?

.....

18. How can external parasites among pigs be controlled?

.....

The diagram below proves a certain property about water; use it to answer questions 19, 20 and 21



19. What does the experiment above prove about water?

.....

20. Why was ice cubes wrapped in cotton wool as shown above?

.....

21. State any **one** reason why ice cubes never melted after heating water as shown in the diagram above.

.....

22. Write **one** example of a change in the states of matter.

.....

23. Write any **one** importance of keeping breeding records on a farm

.....

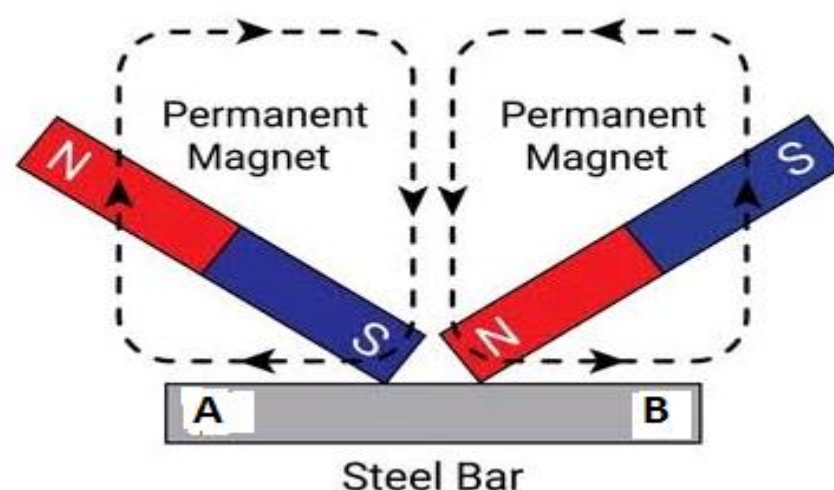
24. In which **one** way are different methods of heat transfer useful in our surrounding?

.....

Turn Over

25. Give the meaning of the term soil fertility.
.....
26. State any **one** way in which kinetic energy is useful in our daily life.
.....
27. Identify any **one** system of keeping poultry in poultry management.
.....
28. Apart from being affordable, give any **other** principle of PHC.
.....
29. Mention any **one** effect of passive smoking in the community.
.....
30. State any **one** kidney disease that results from accumulation of calcium in the body.
.....
31. In which way is volume different from capacity?
.....
32. Identify the optical instrument used by astronomers to see distant objects clearly.
.....
33. Give any **one** condition that leads to swarming of bee
.....

Use the diagram showing the method of making magnets to answer 34, and 35



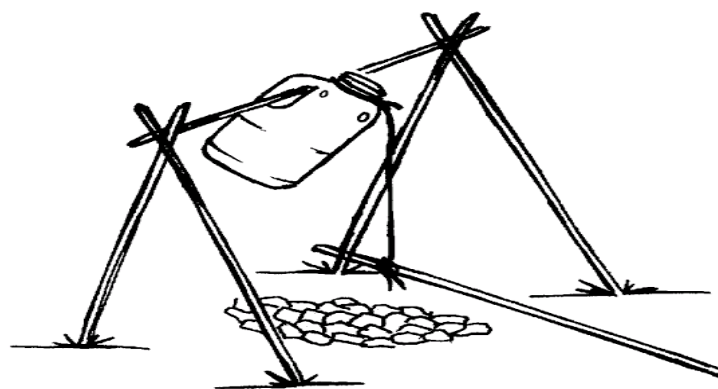
34. Name the pole marked with letter **B**.
.....

35. Write **one** importance of magnets to electricians

36. Briefly explain how to manage a poultry farm.

37. State the artificial family planning method that involves cutting and tying of sperm ducts.

The diagram below shows a foot hand operated facility; use it to answer questions 39 and 40.



38. Name the hand foot operated facility shown in the diagram.

39. In which **one** way is the above equipment useful in the control of diarrhoeal diseases?

40. Mention any **one** immunisable disease that attacks the brain

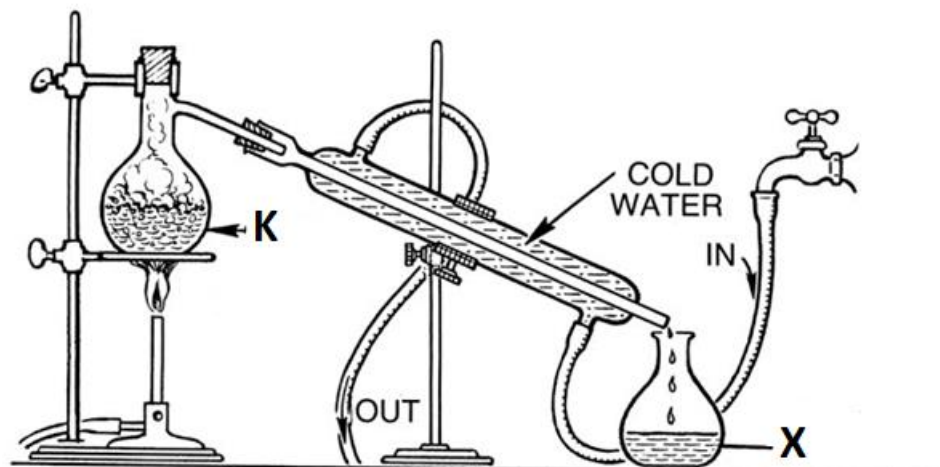
41. (a) Give the meaning of the following terms;
 (i) Immunity
-
- (ii) Immunization
-
- (b) Give any **one** reason why polio vaccine is given more than once to people.

Turn Over

(c) State the immunization body site for hepatitis B.

.....

The diagram below shows a method of making alcohol; use it to answer question 42.



42. (a) What name is given to the method of making alcohol above?

.....

(b) Identify the substances labeled with letters **K** and **X**.

K

X

(c) Of what importance is cold water during the alcohol production in the above method?

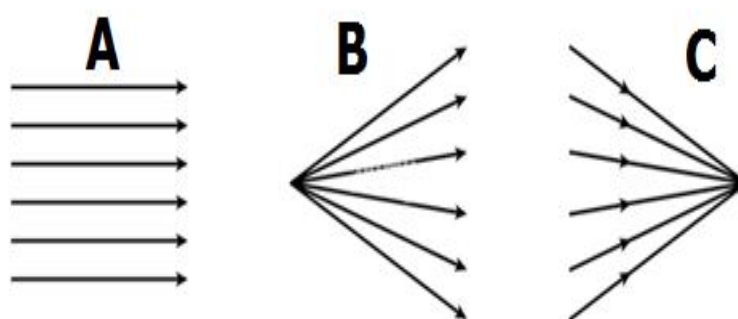
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43. (a) Give any **one** example of devices that uses the following

(i) Divergent beam

(ii) Parallel beam

Study the types of beams below to answer questions that follow



(b) Name the beam marked with letter **C**.

.....

(c) How is the type of beam marked with letter **A** and **B** different?

.....

.....

44. (a) Give any **two** permanent teeth characterized with broad surfaces with cusps for chewing food

(i)

(ii)

(b) State any **two** components of the teeth structure in man.

(i)

(ii)

45. (a) Give any **one** importance of rain clouds to crop farmers.

.....

(b) Write down **one** effect of clouds in the environment.

.....

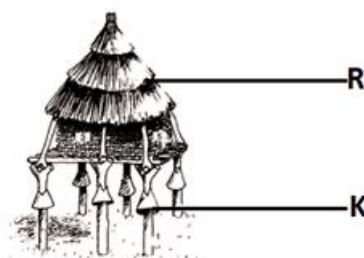
(c) Which type of clouds are a clear sign of fair weather?

.....

(d) Mention any **one** danger of too much rainfall to crops.

.....

Below is a method showing a simple food store, use it to answer questions that follow.



46. (a) Name the type of food store shown in the above diagram

.....

(b) Write **one** adaptation of part marked K to preventing rats from entering the food store above.

.....

(c) State any **two** advantages of using silos over granaries.

(i)

.....

(ii)

.....

47. (a) State the reason why some animals are said to be non vertebrates.

.....

(b) Write any **two** characteristics that differentiate between arthropods and mollusks.

(i)

.....

(ii)

.....

(c) Mention any **one** group of invertebrates with a mantle.



.....

48. (a) Mention any **one** use of echoes to the following mammals;

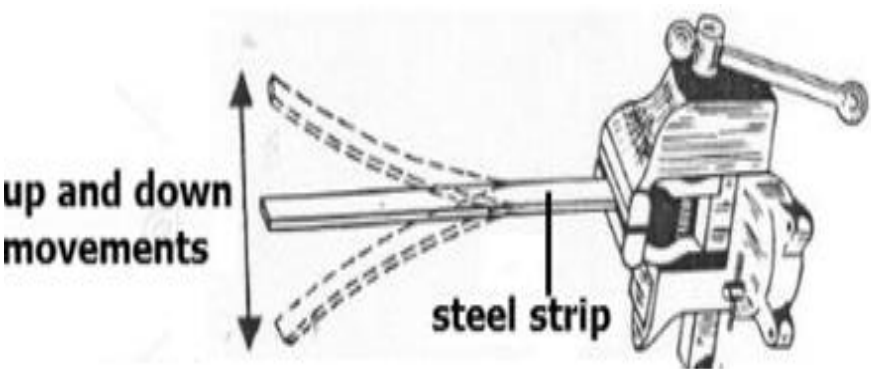
(i) Sea mammals

.....

(ii) Flying mammals

.....

Study the musical instrument below to answers questions that follow correctly



(b) What name is given to the up and down movements shown in the diagram above?

.....

Turn Over

(c) State the result of up and down movements made per second

.....



49. In **four** sentences, describe how to recover the salt mixed with sand by evaporation to dryness.

(i)

.....

(ii)

.....

(iii)

.....

(iv)

.....

50. (a) State any **two** body changes that develop under puberty.

(i)

(ii)

(b) State any **one** way in secondary sex characteristics are important in the environment.

.....

.....

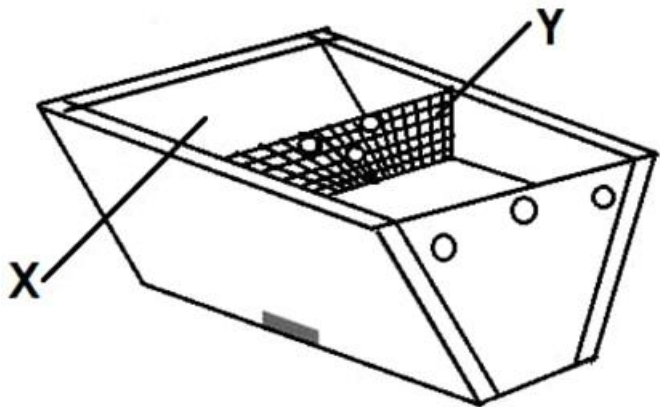
(c) State **one** way of caring for the reproductive system

.....

.....

Turn Over

Below is a diagram of type of beehives, use it to answer questions that follow.



51. (a) Name the modern beehive shown in the diagram.
.....
- (b) Identify the part marked with letter **X**.
.....
- (c) State the adaptation of part marked with letter **Y** its function.
.....
.....
- (d) Give any **one** way honeybees regulate temperature in the above hive.
.....
-

52. (a) State the meaning of the term artificial brooding.
.....
.....
- (b) Identify any **one** instrument used to carry out artificial brooding
.....
- (c) State any **two** advantages of artificial brooding on a poultry farm
- (i)
- (ii)

Turn Over

53. Complete the table below.

Part of human eye	Part of lens camera
.....	Diaphragm.
Ciliary muscle
.....	Film
Pupil



54. (a) Briefly explain the following terms;

(i)Lunar eclipse
.....

(ii)Solar eclipse
.....

(b) Give any **two** common importances of shadows.

(i)
(ii)

55. (a) In which **one** way have wedges contributed to environment degradation?

.....

(b) Write any **one** example of a double inclined plane commonly used by people to degrade the environment.

.....

(c) Write any **two** ways of keeping the efficiency of wedges.

(i)
(ii)

Mr. Kalule Noah Wishes You Success(0754742152)