

PRE PREPARATION EXAMS – **PREPARE YOUR CHILD**
PRE MOCK PRIMARY LEAVING EXAMINATION SET 5

2024

INTEGRATED SCIENCE

Time Allowed 2 hours 15 minutes

MR KALULE NOAH
ON 0754742152

Random No.						Personal No.		

Pupil’s Name:

Pupil’s Signature:

School Name:

Read the following instructions carefully:

-
- Write your **school name** on the paper.
 - 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.
 - Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
 - 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.
 - Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
 - 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		

Turn over

SECTION A: 40 MARKS

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

1. Write any **one** sign of threadworm infestation in humans.

.....

2. State **one** deficiency in humans that makes hair to turn white in colour.

.....

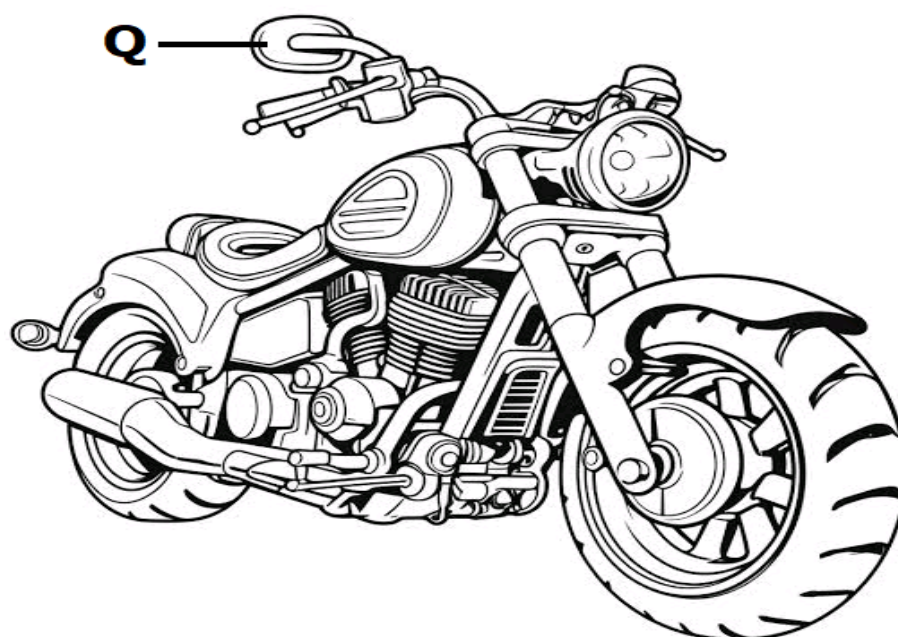
3. Write down the cause of fainting among people in the community.

.....

4. State any **one** characteristic that makes paraffin to be called a fuel.

.....

The diagram below shows a certain kind of vehicle. Study and use it to answer the question **5** and **6**.



5. What type of lens is used in making part marked with letter **Q**?

.....

6. State any **one** reason why the type of lens you have mentioned in 5 above is used in **Q**.

.....

.....

7. Identify any **one** reason why tadpoles are able to live in water safely.

.....

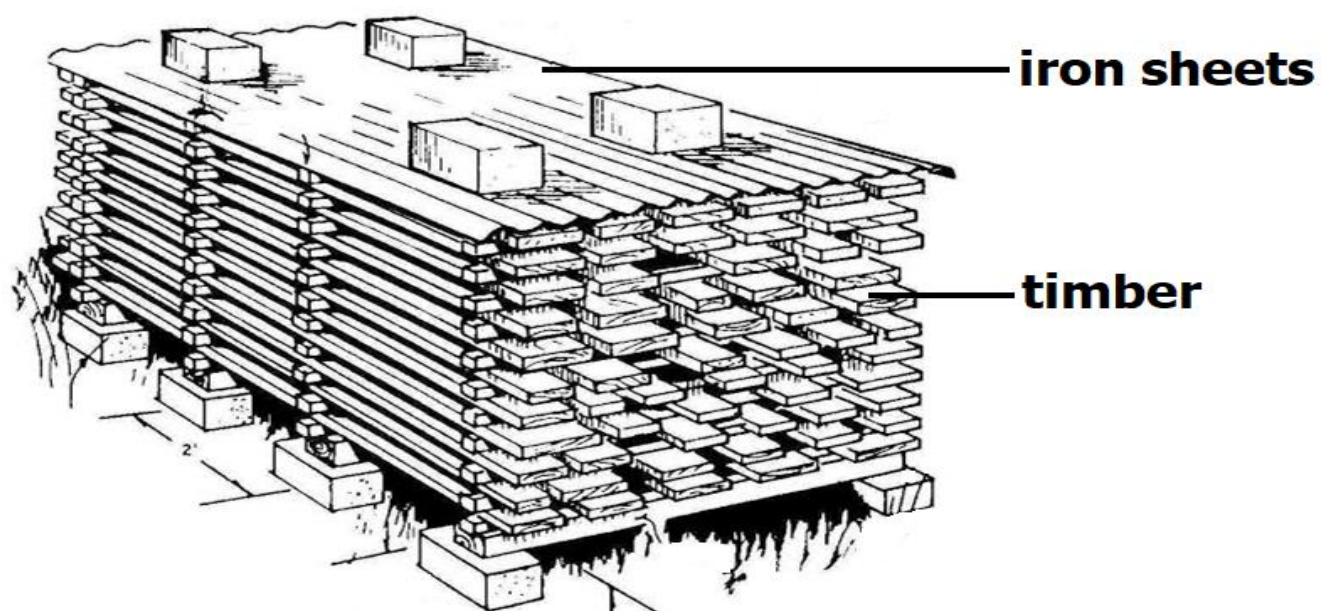
8. State **one** key characteristic that gives clay soil its highest capillarity.

.....

Turn over

9. State any **one** way in which warmth is important during seed germination.
-
10. Name the excretory organ that removes urea and lactic acid from the human body.
-
11. Give any **one** way of identifying a bean crop as dicotyledonous crop.
-

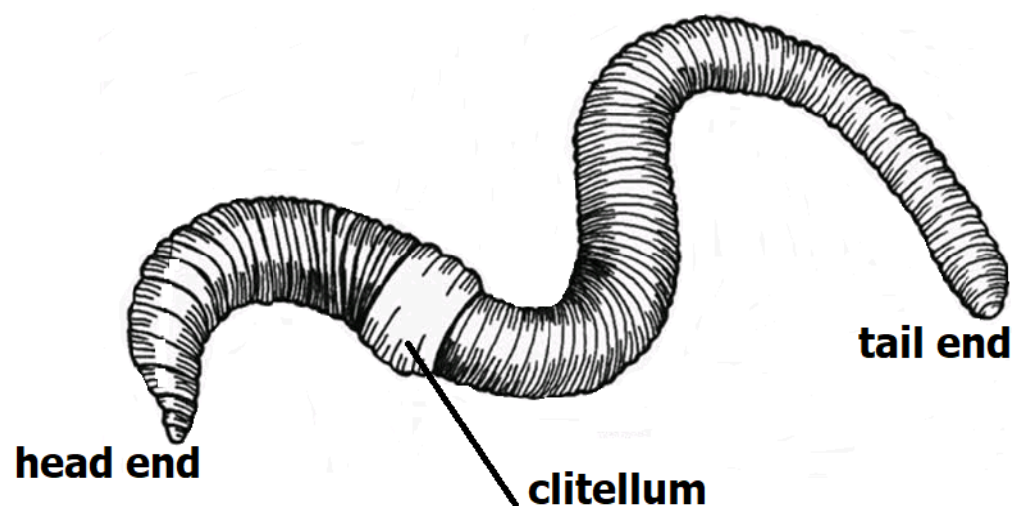
The farm practice below is common in woodlots. Use it to answer question **12** and **13**.



12. Name the method of drying timber shown in the diagram above.
-
13. State **one** importance of drying timber under shade as shown above.
-
14. Why is burning of food in the body by oxygen called a chemical change?
-
15. State any **one** example of a change in states of matter.
-
16. How does mulching help in controlling soil erosion?
-
17. State any **one** reason why sick people are encouraged to feed on fruits.
-

18. Give any **one** method used in managing floods in the environment.
.....
19. State **one** factor that determines the method of grazing to be used.
.....
20. Mention any **one** method used in eliminating roundworms from pigs.
.....
21. State any **one** way of acquiring natural immunity.
.....

The diagram below shows an earthworm. Use it to answer question **22** and **23**.



22. Identify the group of worms to which the above organism belongs.
.....
23. State any **one** way in which the clitellum is useful to an earthworm.
.....
24. Why can't the volume of a cork be found using displacement method?
.....
25. Write any **one** factor that affects the weight of an object.
.....
26. Identify the brood chamber located near the entrance in the beehives.
.....
27. Write any **one** routine activity done to prevent and control Newcastle disease among poultry.
.....

Turn over

28. State any **one** advantage of using an infra-red lamp brooder.

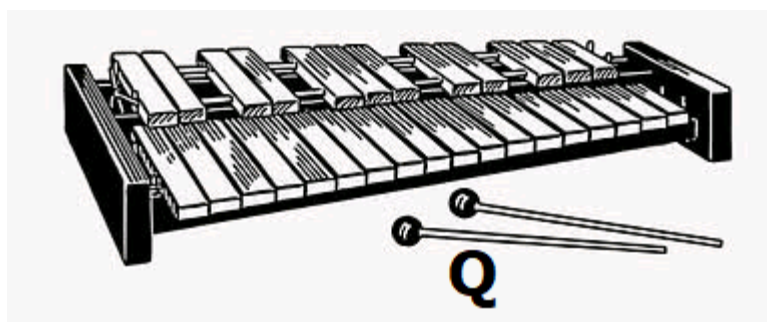
29. What are incandescent objects?

30. Besides friction and firewood, give any **one** other source of heat.

31. Mention any **one** way of preventing woolen clothes from shrinking.

32. Write **ECOSAN** in full.

The diagram below shows a certain instrument belonging to a certain group of musical instruments. Use it to answer question **33** and **34**.



33. Name the parts labeled with letter **Q**.

34. How does the above musical instrument produce sound?

35. State any **one** example of social and emotional changes in humans.

36. Name any **one** place where cesspool emptiers are commonly found.

37. Apart from preventing rapture of the uterus, give any **one** other importance of child spacing to mothers.

Turn over

38. What bee farm practice refers to selecting of a suitable place for putting beehives?

.....

39. State any **one** sign of vitamin B3 deficiency among children.

.....

40. Give any **one** importance of blood circulation in the human body.

.....

SECTION B (60 MARKS)

41. (a) State any **two** characteristics of human involuntary muscles.

(i)

(ii)

(b) Give the meaning of the following words as used in skeletal system

(i) Antagonistic muscles

.....

.....

.....

(ii) Voluntary muscles

.....

.....

42. (a) Give any **one** example of crustaceans in the environment.

.....

(b) State any **two** common characteristics of crustaceans as arthropods.

(i)

(ii)

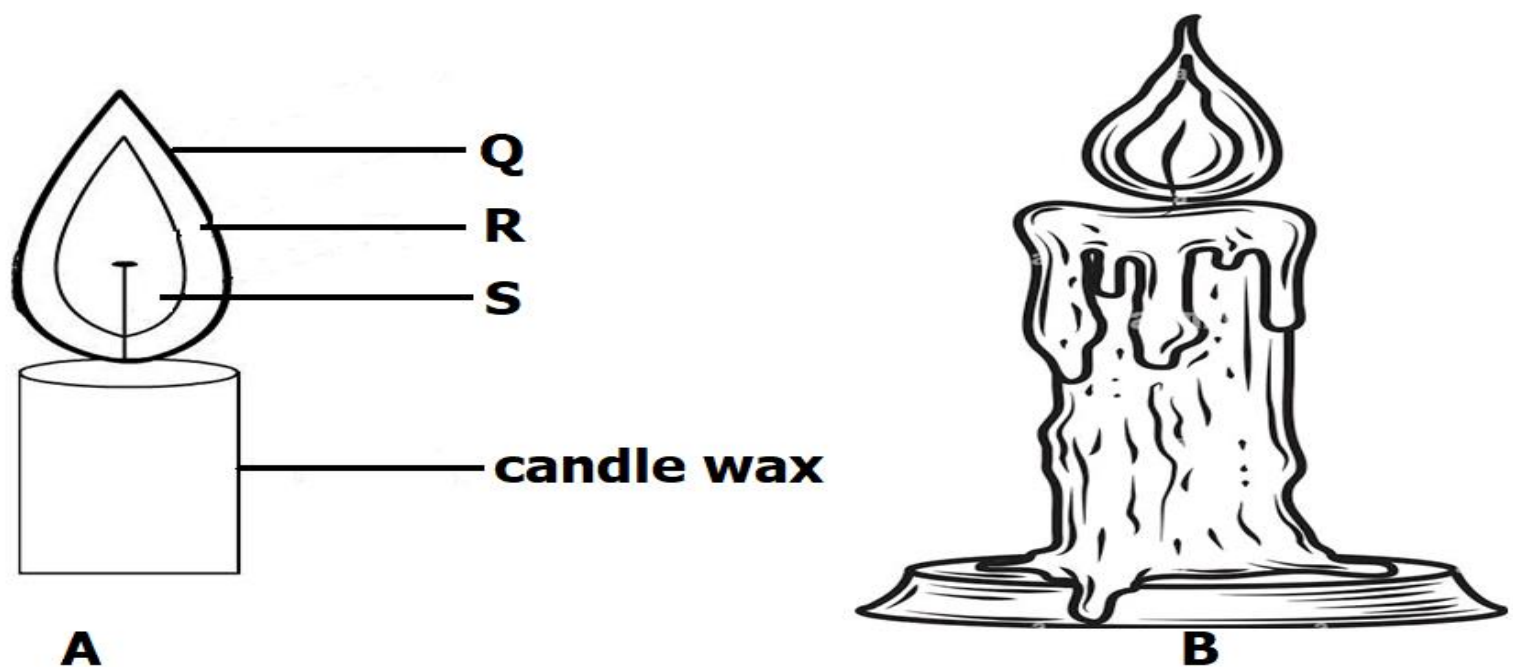
(c) Give any **one** way crustaceans are different from cetaceans.

.....

.....

Turn over

43. The diagrams below show two burning wax candles. Use them to answer questions that follow correctly.



(a) Write any **one** energy change taking place in candle wax **B**.

.....

(b) What part of a burning flame in **A** cannot burn a person?

.....

(c) Name the parts of a burning flame labeled with letters **Q** and **R**.

Q

R

44. (a) What is refraction of light?

.....

.....

(b) Give any **one** reason for the light ray to behave in following ways as it passes through the glass prism.

(i) a light ray to bend towards the normal in the glass prism.

.....

(ii) a light ray to bend away from the normal out of the glass prism.

.....

(c) Write **one** characteristic of images formed by a magnifying glass.

.....

Turn over

45. (a) Name the germ that causes leprosy among people in the community

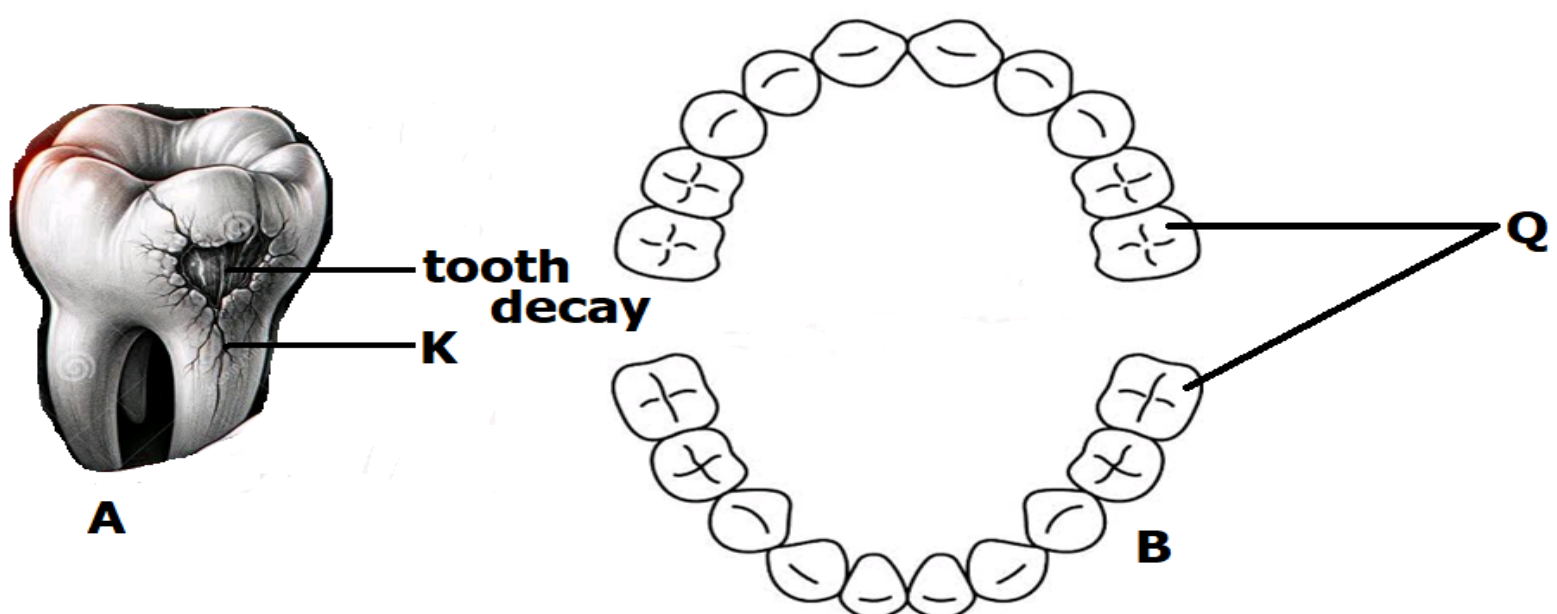
 (b) Identify any **two** signs of leprosy among people in the community
 (i)
 (ii)
 (c) Write **one** way of preventing leprosy from spreading.

46. (a) Give any **two** characteristics of induced magnets.
 (i)

 (ii)

 (b) State any **two** factors that determine the strength of induced magnets formed through stroking method.
 (i)
 (ii)
47. (a) Give any **one** way of caring for human teeth besides brushing regularly.

Below is a diagram showing a certain set of teeth among humans. Study and use it to answer questions that follow.



- (b) Identify the set of teeth shown in diagram **B** above.

(c) Which tooth disorder is identified with letter **K** in diagram **A**?

.....

(d) What type of teeth is shown in the set of teeth B in diagram above?

.....

48. Give the meaning of the term crop rotation.

.....

.....

(b) Give any **one** way in which crop rotation does the following useful processes.

(i) Controls soil erosion.

.....

(ii) Controls the growth of weeds.

.....

(iii) Improves soil fertility.

.....

.....

49. (a) What is solar electricity said to be friendly to the environment?

.....

You are provided with a fuse, dry cells, switch and electric wires.

(b) Briefly describe the steps taken in making a simple electric circuit.
(03 marks)

.....

.....

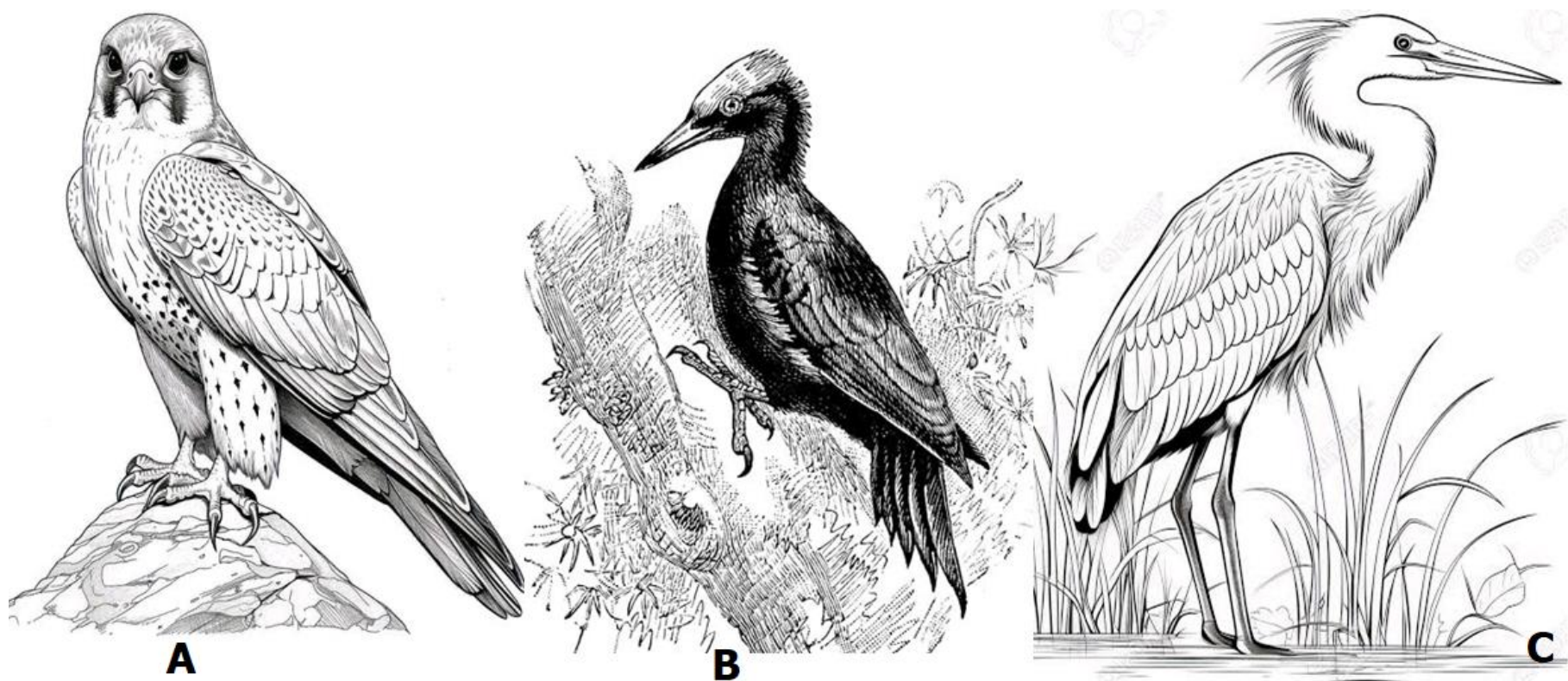
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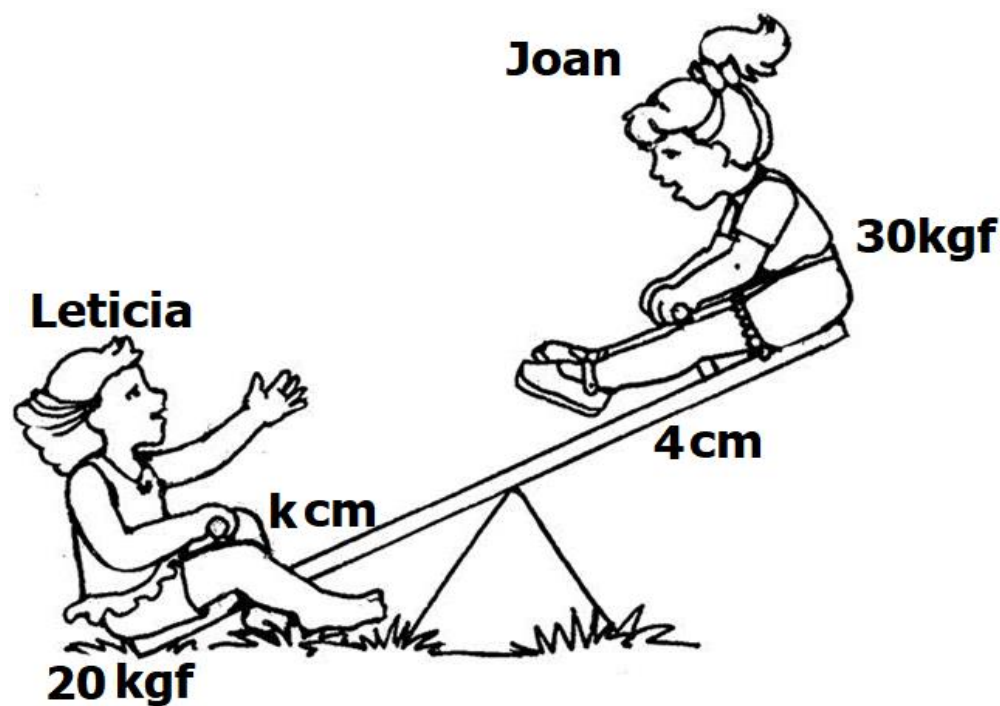
Below is a diagram showing birds of different groups. Study them carefully to answer question **50**.



50. (a) To which group of birds does animal **B** belong?
-
- (b) State any **one** way of identifying birds that belong to same group as **B** above.
-
- (c) How are the following parts useful to groups of birds in **A** and **C**.
- (i) Strong sharp hooked beak to birds in **A**.
-
- (ii) Long and half webbed feet to birds in **C**.
-
51. (a) Give any **two** activities done under AIDS control programme (**ACP**).
- (i)
- (ii)
- (b) Give any **one** sign of AIDS among human beings similar to that of tuberculosis.
-
- (c) Besides sharing sharp objects with HIV infected people, give **one** other way of preventing the spread of AIDS.
-

Turn over.

The diagram shows two girls trying to balance on the seesaw. Use it to answer question **52**.



52.

(a) Identify the girl who is the effort force.

.....

(B) To which group of simple machines does the above seesaw belong?

.....

(c) Find the value of **K** using the principle of moments. **(02 marks)**
53.

(a) Give any **two** examples of amphibians in the environment.

(i)

(ii)

(b) Give any **two** characteristics of amphibians in the environment.

(i)

(ii)
54.

(a) What term refers to the keeping of the reproductive system free from diseases and disorders?

.....

(c) Write any **two** ways of keeping the reproductive system free from diseases and disorders.

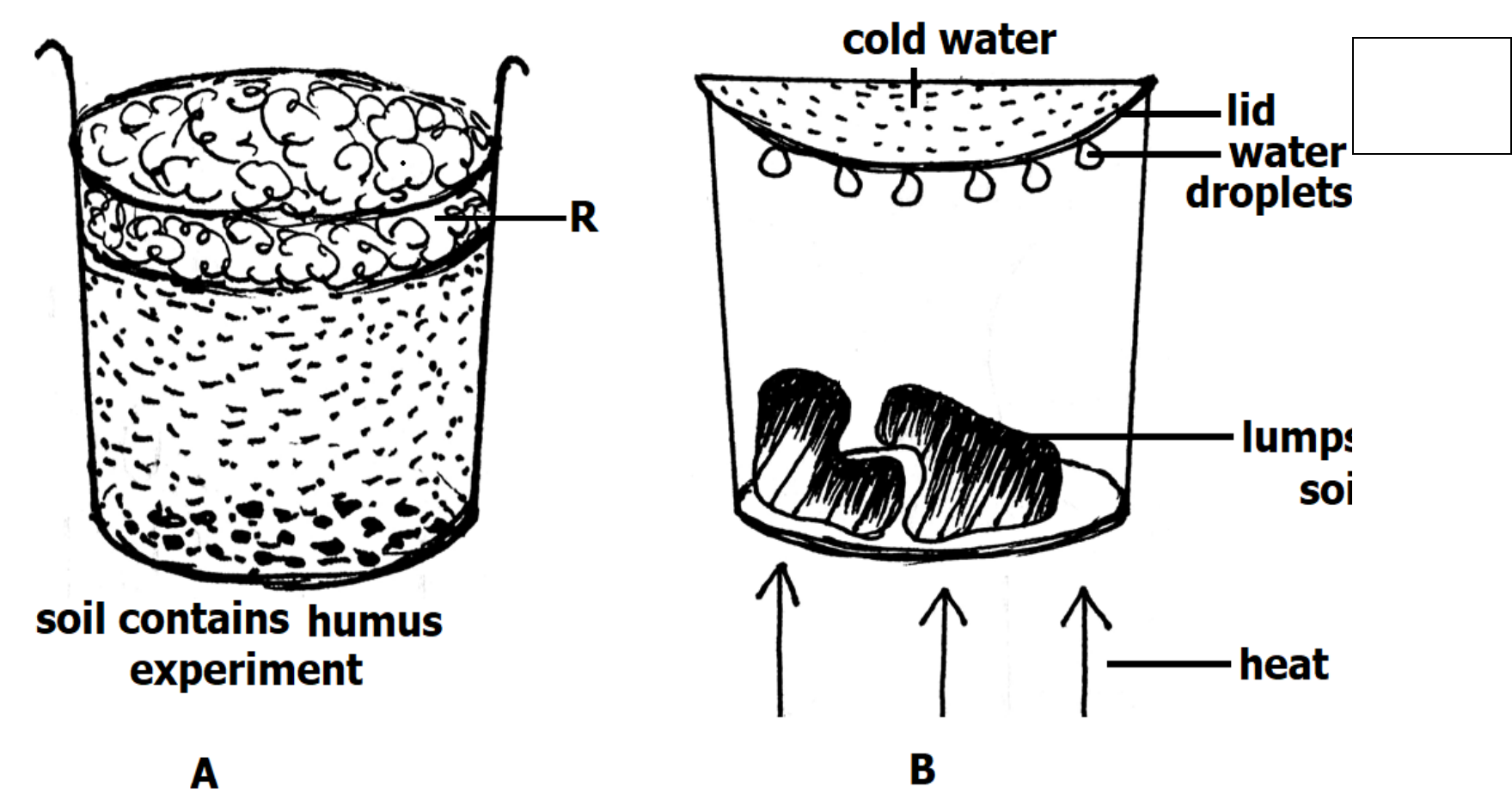
(i)

(ii)

(c) State any **one** place where the ectopic pregnancy occurs in female reproductive system.

.....

The diagrams below show two different experiments about soil carried out by a P4 child. Use it to answer question **55**.



55. (a) What name is given to substance labeled with letter **R**?

.....

(b) **B** is an experiment carried out by a P4 child to show that soil contains water. Briefly describe how soil contains water using the above given materials such as saucepan, heat, cold water and a lid.
(03marks)

(i)

.....

(ii)

.....

(iii)

.....