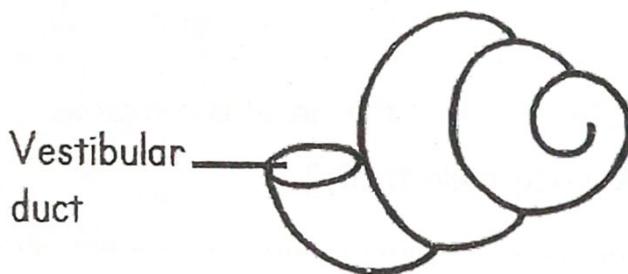


P.7 SAMPLE SCIENCE DIAGRAM WORK

NAME: Stream.....

SECTION A: 40 Marks

The diagram below shows part of the human ear. Study and use it to answer questions **1** and **2**.



1. Identify the part of the human ear drawn above.

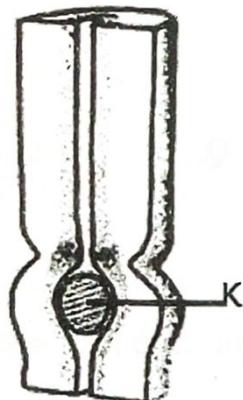
.....

2. Give the use of the above part to the ear.

.....

The diagram below shows the movement of food from the mouth to the stomach.

Use it to answer questions **3** to **5**.



3. Which part of the digestive system is drawn above?

.....

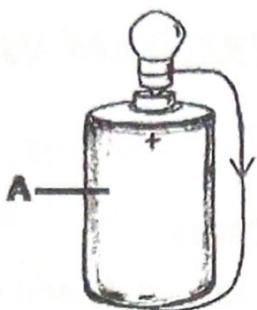
4. Name the form of food substance marked **K**.

.....

5. By what process does food along the above digestive part?

.....

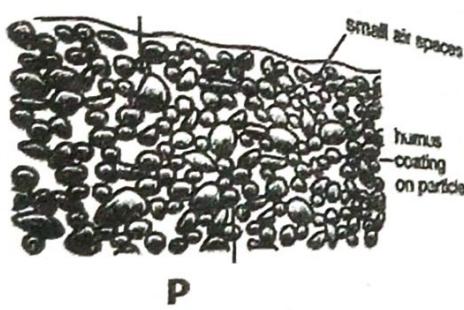
The diagram below shows a simple circuit. Use it to answer questions **6** to **8**.



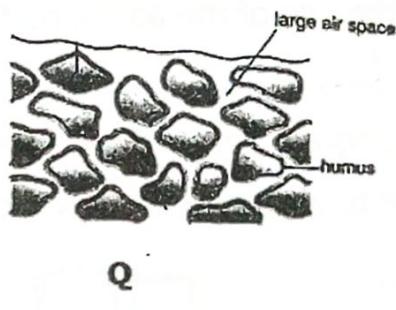
6. What does this circuit show about electricity?
-

7. Complete the diagram above to show that the circuit is complete.
8. How does part component **A** produce electricity?
-

The diagrams below show two types of soil. Study and use them to answer questions **9** and **10**.



P



Q

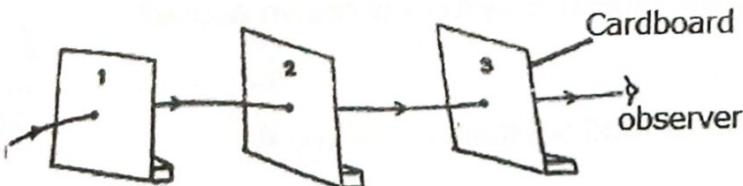
9. Identify the types of soil **P** and **Q**.

P.....

Q.....

10. Write **one** use of soil sample.
-

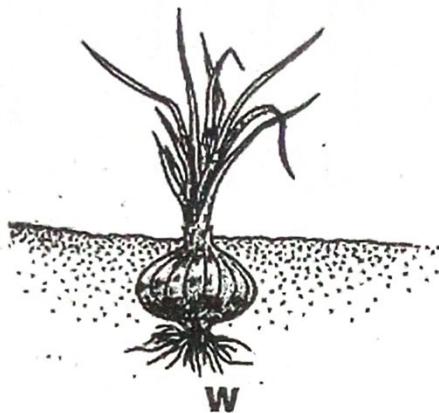
The diagram below shows a property of light. Use it to answer questions **11** and **12**.



11. Mention the property of light drawn above.
-

12. Give the importance of the holes in the cardboards.
-

The diagrams below show two crops. Study and use them to answer questions **13 to 15.**

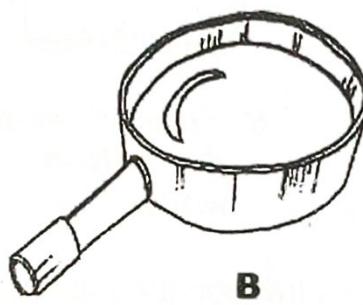


13. Name crop **W**.
-

14. Give **one** way in which crop **W** is similar to crop **Y**.
-

15. How does crop **Y** and **W** differ in terms of propagation?
-

Below are optical instruments. Use them to answer questions **16 to 18.**

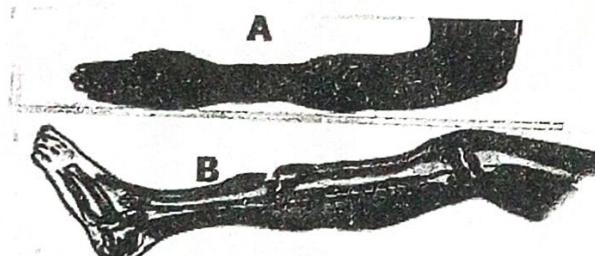


16. Identify optical instrument **B**.
-

17. Give **one** way in which optical instrument **A** is useful to people.
-

18. Under what principle of light does optical instrument **B** operate?
-

The diagram below shows types of accidents. Study and use them to answer questions **19** to **21**.



19. Identify the accidents **A** and **B**.

A.....

B.....

20. Give **one** way in which accident **A** and **B** differ.
-
-

21. State the first aid administered to casualties with the above accidents.
-
-

The diagrams below show an experiment conducted about germination by pupils of a certain P.5 class. Study and use them to answer questions **22** and **23**.



A Soaked seeds,
wet cotton
wool



B Soaked seeds,
dry cotton
wool

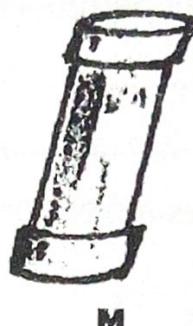
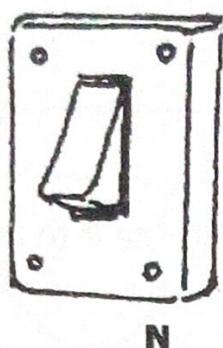


C Dry seeds,
dry cotton
wool

22. What were the P.5 pupils investigating about germination?
-
-

23. Give the use of wet cotton wool in the experiment.
-
-

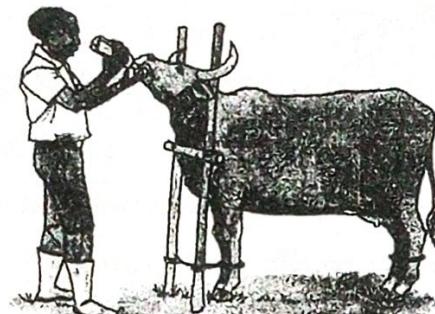
The diagrams below show components of the circuit. Use them to answer questions **24** and **25**.



24. Name the component **N**.

25. Give the use of **M** in the circuit.

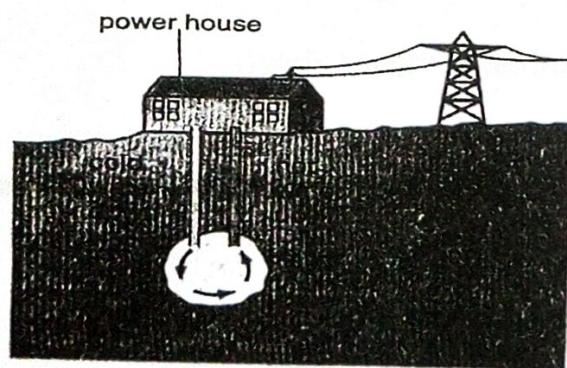
Below is a method of controlling parasites. Use it to answer questions **26** and **27**.



26. Identify the method of controlling parasites shown above.

27. Which parasites are controlled using the above method?

The diagram below shows a way of generating electricity. Use it to answer questions **28** and **29**.



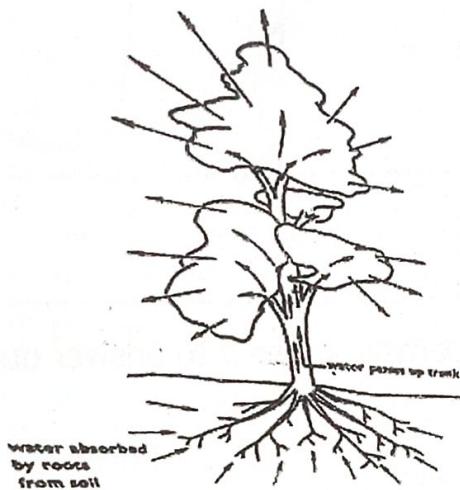
28. Name the type of electricity generated above.

.....

29. State the use of the hot underground cavern.

.....

The diagram below shows a plant process. Study and use it to answer questions **30** and **31**



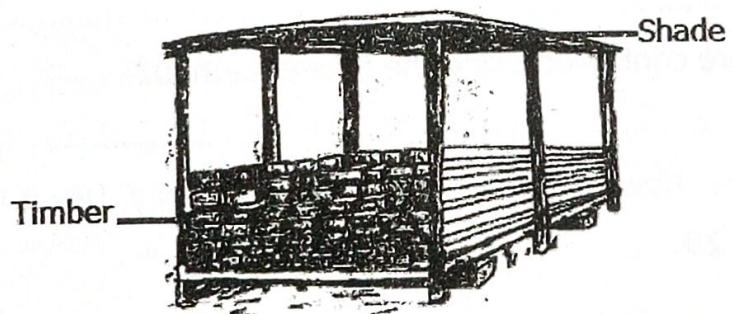
30. Identify the plant process drawn above.

.....

31. State **one** way in which is important to the environment.

.....

Below is a practice of storing timber. Use it to answer questions **32** and **33**.



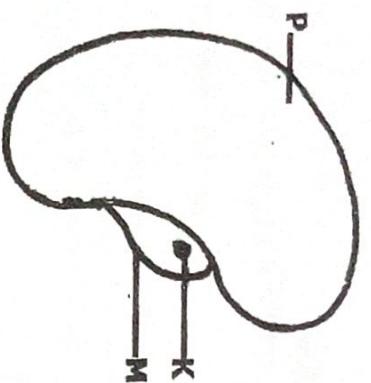
32. What practice of storing timber is shown above?

.....

33. Give **one** reason why timber should be stored under such shade.

.....

The diagram below shows the external parts of a bean seed. Use it to answer questions **34** to **36**.



34. Name part **P**.

.....
.....
.....

35. Give the use of part **M** to the bean seed.

.....
.....
.....

36. Which part allows in allows in water and air into the seed?

.....
.....
.....

The diagrams below show methods of planting. Study and use them to answer questions **37** and **38**.



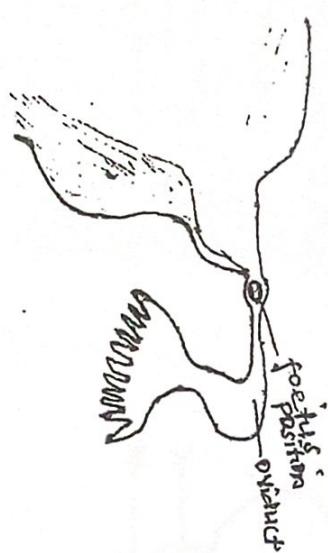
37. Identify the method of planting marked **Q**.

.....
.....
.....

38. State any **one** advantage method **P** has over **Q**.

.....
.....
.....

The diagram below shows a disorder to the female reproductive system. Study and use it to answer questions **39** and **40**.



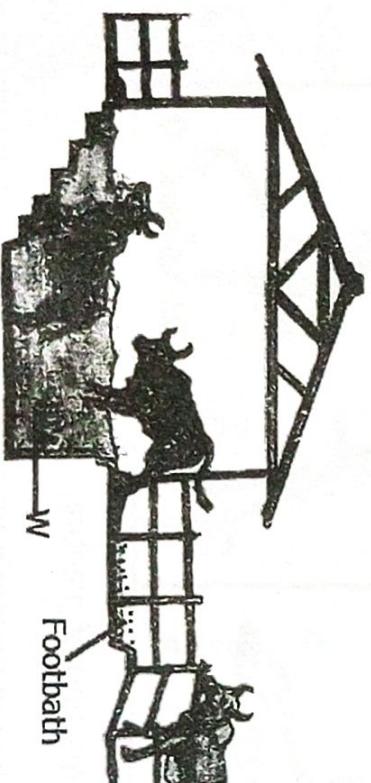
39. Name the disorder to the female reproductive system shown above.

40. Apart from the above, give **one** other disorder to the female reproductive system.

SECTION B: 60 MARKS

Questions **41** to **55** carry **four** marks each.

41. The diagram below shows a cattle farm structure. Study and use it to answer questions that follow.



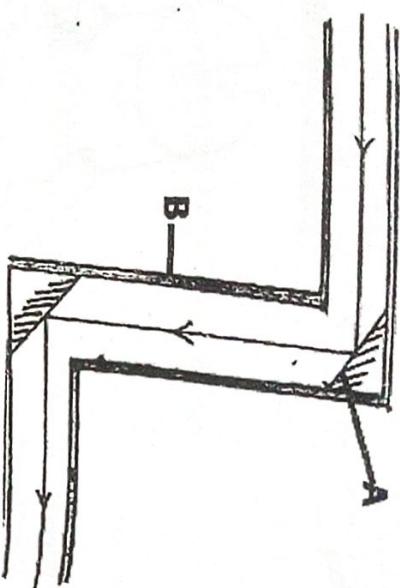
(a) Name the farm structure drawn above.

(b) Identify the chemicals **W**.

(c) Give **one** way in which the footbath is useful.

(d) Mention any **one** way in which the above structure is useful on the cattle farm.

42. The diagram below shows an optical instrument. Study and use it to answer questions that follow.



(a) Name the optical instrument **A** and **B**.

A.....
B.....

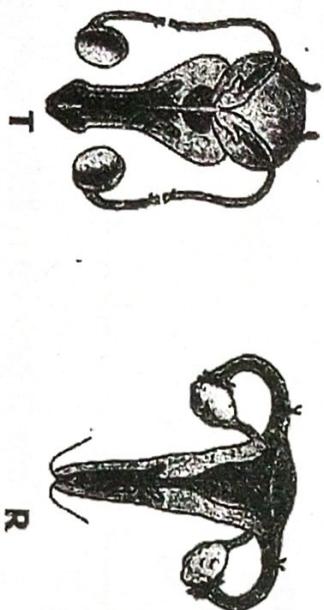
(b) Under what principle of light does the above optical instrument operate?

.....
.....
.....

(c) Give **one** use of the above optical instrument to people.

.....
.....
.....

43. The diagrams below show artificial birth control methods. Study and use them to answer questions that follow.



(a) Identify the birth control method **T** and **R**.

T.....
R.....

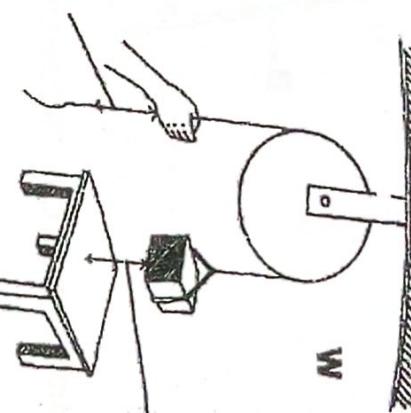
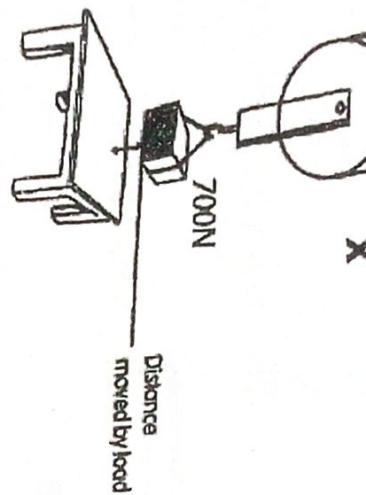
(b) Give one advantage and disadvantage of the above methods.

(i) Advantage

.....
.....
.....

(ii) Disadvantage

44. The diagrams below shows two pulleys. Use them them to answer questions that follow.



(a) Identify the pulley **W**.

(b) What advantage does pulley **X** have over **W**?

(c) Calculate the effort needed to raise the above load through a distance of **15metres** using pulley **X**. (02marks)

45. The diagram below shows a method of milking. Use it to answer questions that follow.



(a) Identify the method of milking shown.

(b) Give the importance of giving cows grass when milking.

(c) State **one** importance of tool **M** to the person milking.

(d) Why should the teats and udder of the cow be washed with clean warm water?

.....
.....
.....
.....

46. The table shows different properties of soil. Study and use it to answer questions that follow.

A	B	C
<ul style="list-style-type: none">• Dark in colour• Has a lot of humus• Has silt	<ul style="list-style-type: none">• Coarse or rough• Large air spacers• Highly aerated• Has bigger particles	<ul style="list-style-type: none">• Sticky or slippery when it rains• Water logged• Has finest soil particles

(a) Which type of soil is marked **B** and **C**?

B.....

C.....

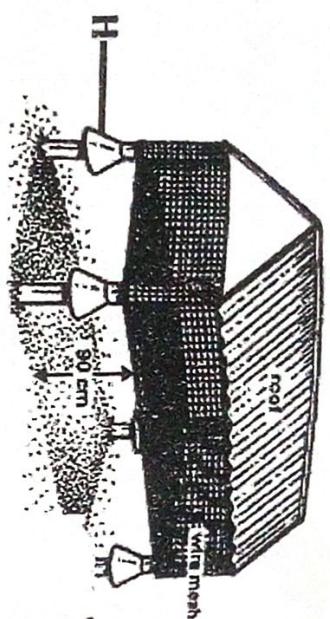
(b) What is the importance of humus in soil **A**?

.....
.....
.....
.....

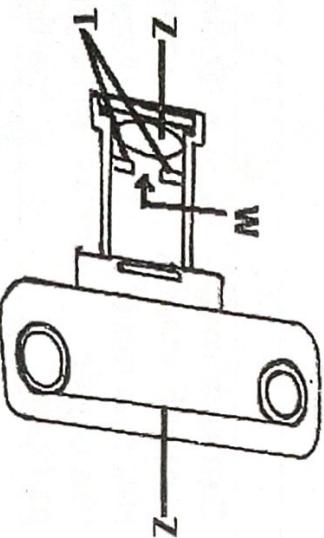
(c) Give **one** way in which soil sample **B** is useful to people in a home.

.....
.....
.....
.....

47. The diagram below shows a modern crop store. Use it to answer questions that follow.



- (a) Name part H.
-
- (b) Give the importance of raising the store **90cm** above the ground.
-
-
- (c) State **one** use of part H to the store.
-
-
- (d) Mention **one** example of pests that may affect crops stored in the above store.
-
-
48. The diagram below shows a lens camera. Use it to answer questions that follow.



- (a) Name part W.
-
-
- (b) Give **one** function of part Z.
-
-
- (c) On which part;
- (i) Is similar to the iris of the human?
-
-

(ii) Are images formed?

49. The diagram below shows a flowering plant. Study and use it to answer questions that follow.



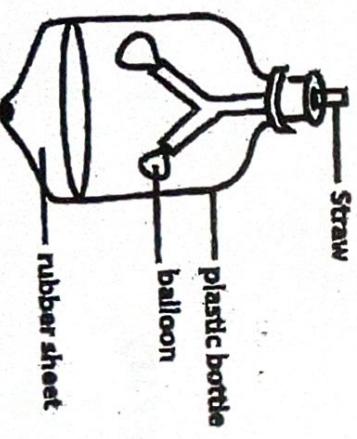
(a) Name the type of pollination shown above.

(c) Give a reason to support your answer in (a) above.

(c) How is pollination important to plants?

(d) Give a reason why wind pollinated flowers produce a lot of pollen grains.

50. The diagram below shows a breathing model. Study and use it to answer questions that follow.



(a) Which system of the human body does the above model represent?

(b) Name the component of the breathing model which the following represent;

(i) Diaphragm

(ii) Plastic bottle

(c) State what happens to the balloons if the rubber sheet is pulled downwards.

51. Below are plant propagative materials. Study and use them to answer questions that follow.



(a) Identify the plant propagation material **T** and **R**.

T.....

R.....

(b) Mention the method of propagation where material **P** is used.

(c) Give **one** advantage materials **T** and **R** have over **P**.

THE END