

# Primary Seven Integrated Science

**TIME ALLOWED: 2 HOURS 15 MINUTES**

NAME \_\_\_\_\_

SCHOOL \_\_\_\_\_

STREAM \_\_\_\_\_

**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 sections **A** and **B**.
2. Section **A** has **40** questions (**40** marks) and **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 and graph work be done in pencil.
5. Unnecessary crossing will lead to loss of marks.
6. Poor handwriting, which can not be easily read, may lead to loss of marks.

**FOR EXAMINER'S USE ONLY**

SECTION	SCORES	REMARKS
<b>A</b>		
<b>B</b>		
<b>TOTAL</b>		

Teacher's comment to the pupil

\_\_\_\_\_

\_\_\_\_\_

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**ORGANISED BY:**



**SECTION: A (40 Marks)**

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

1. State any **one** effect of accident to the humans.  
\_\_\_\_\_
2. What type of fertilizer is made from organic matter?  
\_\_\_\_\_
3. How does boiling water make it safe for drinking?  
\_\_\_\_\_
4. State any **one** reason why a crop farmer prune their crops.  
\_\_\_\_\_
5. Name the type of skeleton found in mammals.  
\_\_\_\_\_
6. Give **one** way in which animals make use of oxygen.  
\_\_\_\_\_
7. Mention any **one** sign of heat period in goats.  
\_\_\_\_\_
8. State **one** way in which the sun is useful in rain cycle.  
\_\_\_\_\_

Use the diagram below and answer the questions 9 and 10.



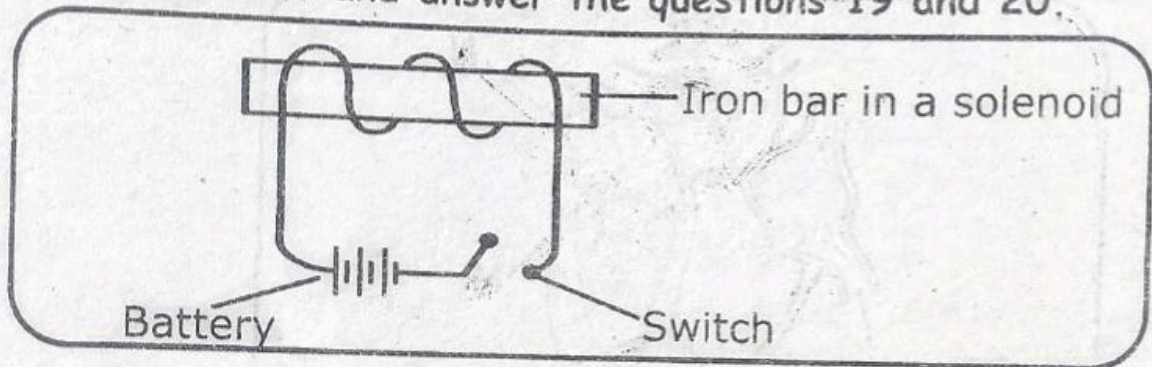
9. Name the disease spread by the vector shown in the diagram above.  
\_\_\_\_\_
10. How can you help your friend to stop the habit of smoking.  
\_\_\_\_\_
11. Give any **one** effect of water contamination.  
\_\_\_\_\_
12. Write any **one** quality of a good First Aider.  
\_\_\_\_\_
13. What happens to a bar magnet when freely suspended in air?  
\_\_\_\_\_





14. Mention **one** characteristic common to all invertebrates.
15. State **one** role of organisms found in the soil.
16. Name the method used to separate beans from husk.
17. Which organ of the body is affected by Hepatitis B?
18. Mention **one** food value needed for the development of bones.

Use the diagram below and answer the questions 19 and 20.



19. Identify the method of making magnets shown above.
20. Give any **one** way of increasing the strength of magnets made by the method shown above.
21. Which energy change takes place when dry cells are in use?
22. Name the part of a flower that holds stigma in a position.
23. Which element of PHC enables parents to control deficiency diseases among young children?
24. State **one** way in which a farmer can improve on his/her local breeds of chicken.
25. Give any **one** way of saving energy at home.

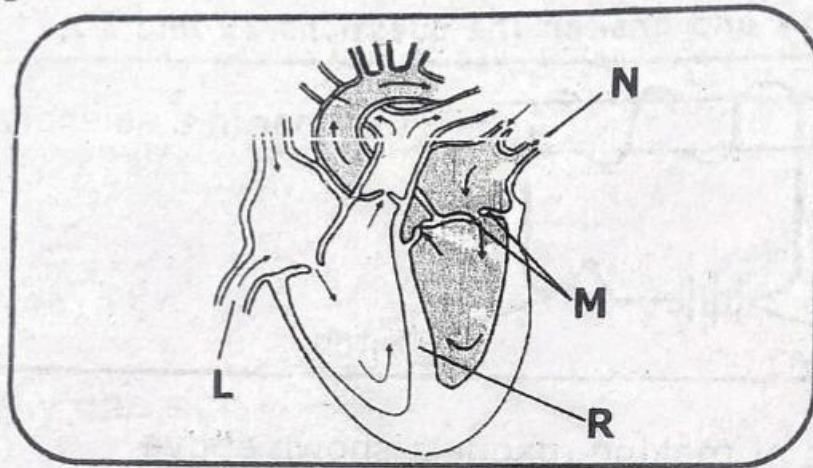


26. What other name is given to the decantation?

27. State the difference between **windows** and **ventilators** in terms of their function.

28. Write any **one** role of saliva in digestion.

Use the diagram below and answer the questions 29 and 30.



29. Name the part marked **R**.

30. Identify the part that prevent the back flow of blood in the heart.

31. What kind of fracture is common in babies?

32. Name the fungi used in baking and fermentation.

33. State any **one** duty of worker bees in the hive.

34. Mention any **one** condition necessary for rusting to take place.

35. State the best time for carrying out transplanting.

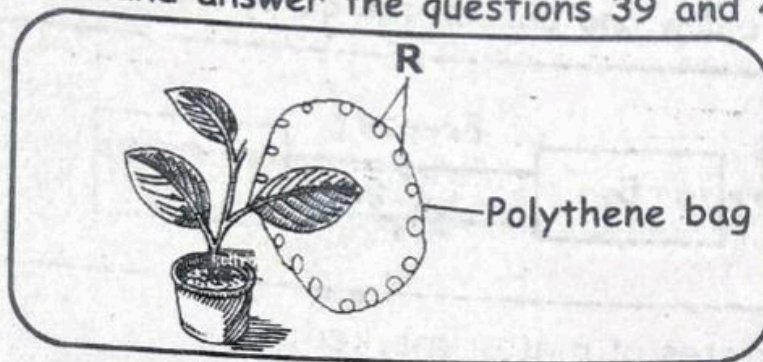
36. Give **one** root tuber crop propagated by planting seeds.

37. Name **one** device that use electricity and magnet to produce sound.

38. How can a P.5 pupil determine the volume of a stone?



Use the diagram below and answer the questions 39 and 40.



39. Name the plant process experimented in the diagram above.

40. Give any **one** importance of the process you have mentioned in no. (39) above to the plants.

### SECTION B (60 marks)

(Questions 41 to 55 carry **four** marks)

41. (a) Mention any **two** domestic animals that provide fibres to textile industries.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Write any **two** ways of conserving animals as energy resource.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

42. (a) Name the human body parts where the following joints are found.

(i) Pivot joint \_\_\_\_\_

(ii) Hinge joint \_\_\_\_\_

(b) Write any **two** ways of conserving animals as energy resource.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

43. (a) State any **two** types of records kept on a rabbit farm.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

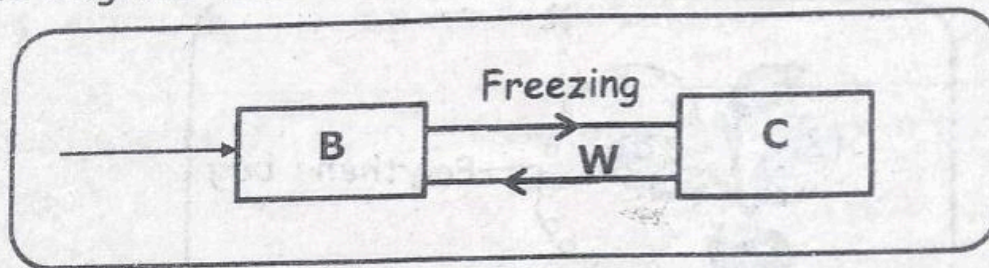
(b) Give any **two** reasons why farmers keep farm records.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_



44. Use the diagram below and answer the questions that follow.



- (a) Identify the states of matter marked;
- (i) **B** \_\_\_\_\_
- (ii) **C** \_\_\_\_\_
- (b) What happens to the state of matter marked (**C**) when heated?
- \_\_\_\_\_
- (c) Name the physical change marked **W**.
- \_\_\_\_\_
45. (a) Give **one** dangers of pushing metallic objects into electric sockets.
- \_\_\_\_\_
- (b) State the first aid for an electric shock.
- \_\_\_\_\_
- (c) Mention any **two** non-metallic conductors of electricity.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
46. (a) State any **two** conditions that may force people to abuse drugs.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (b) Write any **two** life skills that can help a P.7 candidate to fight against drug abuse.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
47. (a) Apart from cypress, mention any other **two** examples of non-flowering plants which reproduce by seeds.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (b) Give any **two** characteristics of cereal crops.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
48. (a) Write any **two** ways of promoting personal hygiene.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

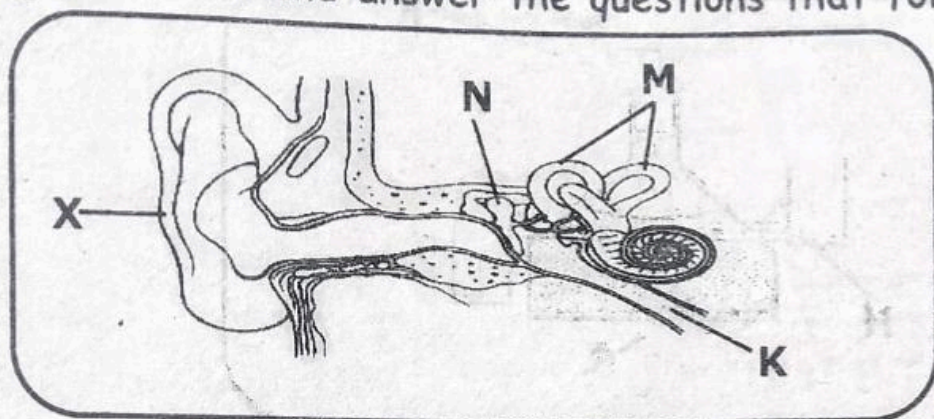


(b) Name any **two** diseases that may attack a person who don't bathe regularly.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

49. Use the diagram below and answer the questions that follow.



(a) Name the parts labelled **N** and **K**.

(i) **N** \_\_\_\_\_

(ii) **K** \_\_\_\_\_

(b) What general name is given to the structures labelled **M**?

\_\_\_\_\_

(c) State the function of part marked **X**.

\_\_\_\_\_

50. (a) Name any **two** items used by an apiarist to harvest honey.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Mention any **two** methods of harvesting honey.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

51. (a) Where does fertilization take place in cattle?

\_\_\_\_\_

(b) State the term used to describe the act of giving birth in cattle.

\_\_\_\_\_

(c) Give any **two** ways of caring for a pregnant cow.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

52. (a) Name any **two** main groups of warm blooded animals.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

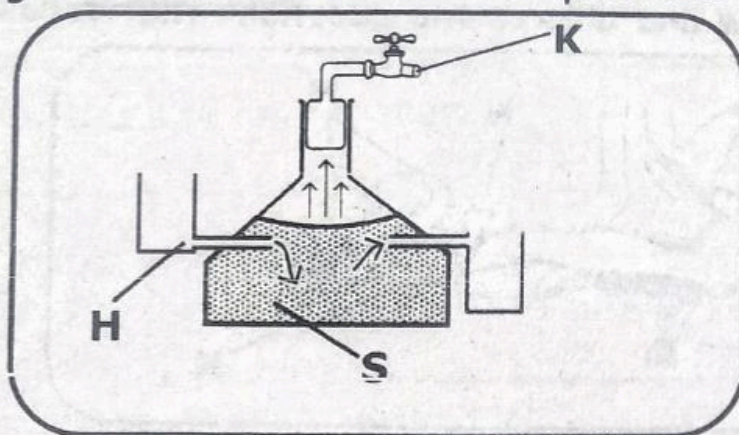


(b) State any **two** products got from the skins of reptiles.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

53. Use the diagram below and answer the questions that follow.



(a) Name the parts marked:

(i) **H** \_\_\_\_\_

(ii) **S** \_\_\_\_\_

(b) State the function of the part marked **K**.

(c) Mention any **one** advantage of using biogas.

54. (a) Name the roots that provide extra support to the maize plants.

(b) Which part of a leaf has similar function to the spiracles of an insect?

(c) How are plants able to trap sunlight?

(d) Name the male gametes of plants produced by the anthers.

55. (a) Name the element of weather that give us rain.

(b) Mention any **two** weather instruments kept at weather station.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Why a Stevenson screen is painted white?