

### SECTION A : 40 Marks

1. Name any **one** form of energy got through burning firewood.

.....

2. Which part of a bean seed develops into a shoot system?

.....

3. Why is the joint at the knee grouped under movable joints?

.....

.....

4. State any **one** use of a swamp to people.

.....

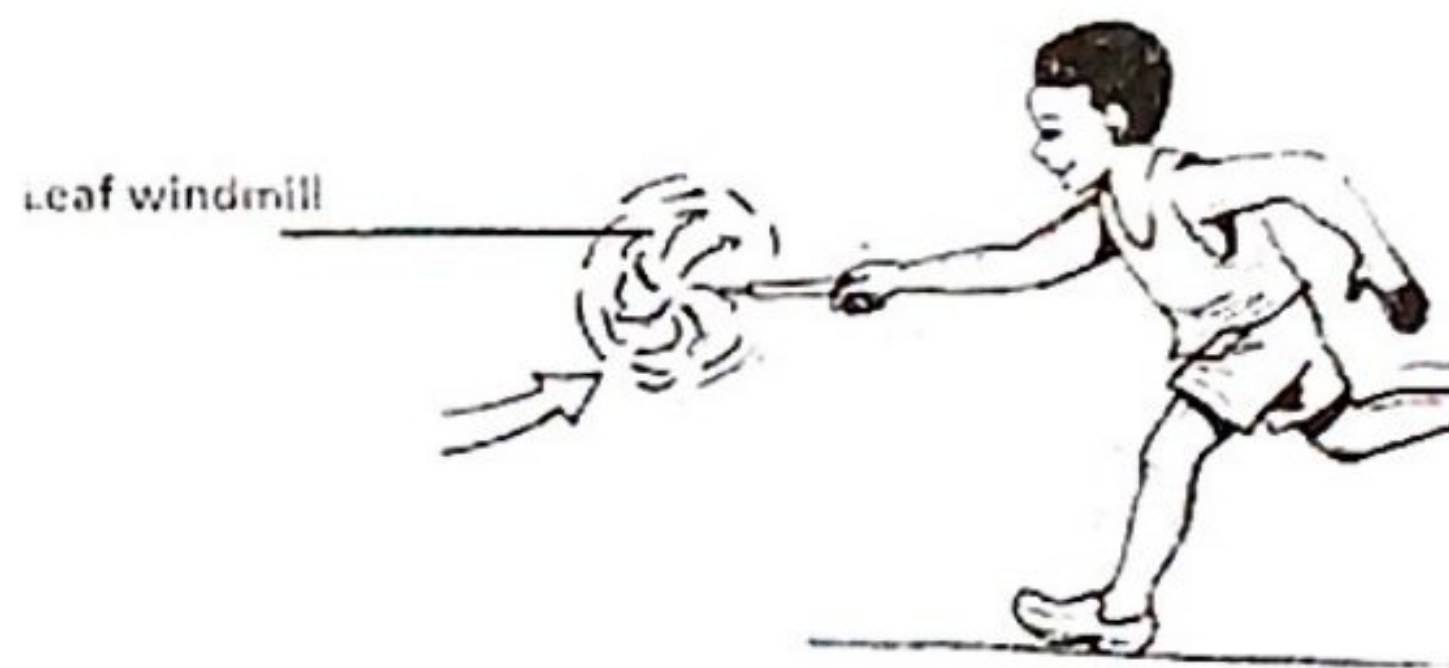
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5. State any **one** characteristic of physical changes.

.....

**The picture below shows the child playing with a leaf windmill.**

**Study and answer question 6 and 7.**



6. Name the energy resource the child is using to turn the leaf.

.....

7. What can the child do to increase the speed of turning the windmill leaf?

.....

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8. Why are latrines recommended to be 30 metres away from water sources?

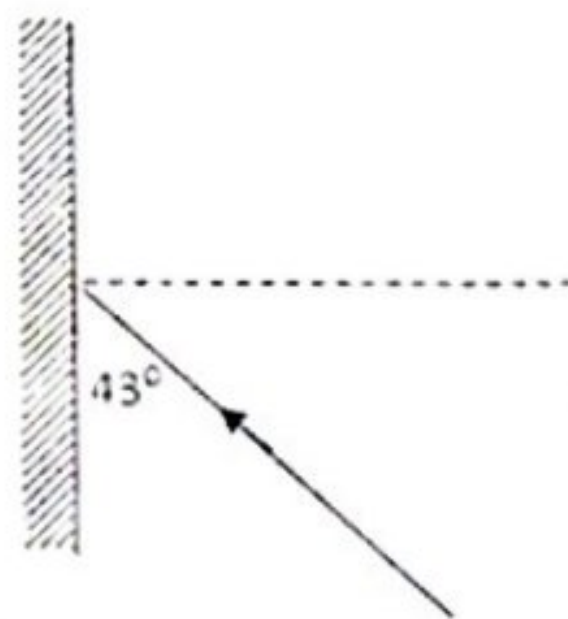
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9. State any **one** way of preventing dampness in a poultry house.  
 .....  
 .....  
 10. Why do some farmers prefer using farm yard manure to improve soil fertility?  
 .....  
 .....  
 11. State any **one** reason why the human body should be kept clean.  
 .....  
 .....

The diagram below shows reflection of light on a smooth surface.  
 Study and answer question 12 and 13.



12. Complete the diagram by drawing the reflected ray.  
 13. Calculate the angle of incident.  
 .....  
 .....  
 14. Which vector spreads germs that cause malaria?  
 .....  
 .....  
 15. In which **one** way can steam be of use to people at home?  
 .....  
 .....  
 16. State a reason why cotyledons of bean plants turn green immediately after germination.  
 .....  
 .....



17. Give the use of an electric lamp in an electric circuit.

18. State **one** way of increasing the volume of sound from a big drum.

The diagram below shows a tooth. Study and answer question 19 and 20



19. Identify the tooth shown above.

20. How is the above tooth adapted to its function?

21. Name any **one** breed of sheep reared for wool production.

22. State another function of the human ear apart from hearing.

23. How does the human skin control body temperature on a cold day?

24. Name any **one** example of an essential drug in our communities.

25. Give the treatment for worm infestation in humans.

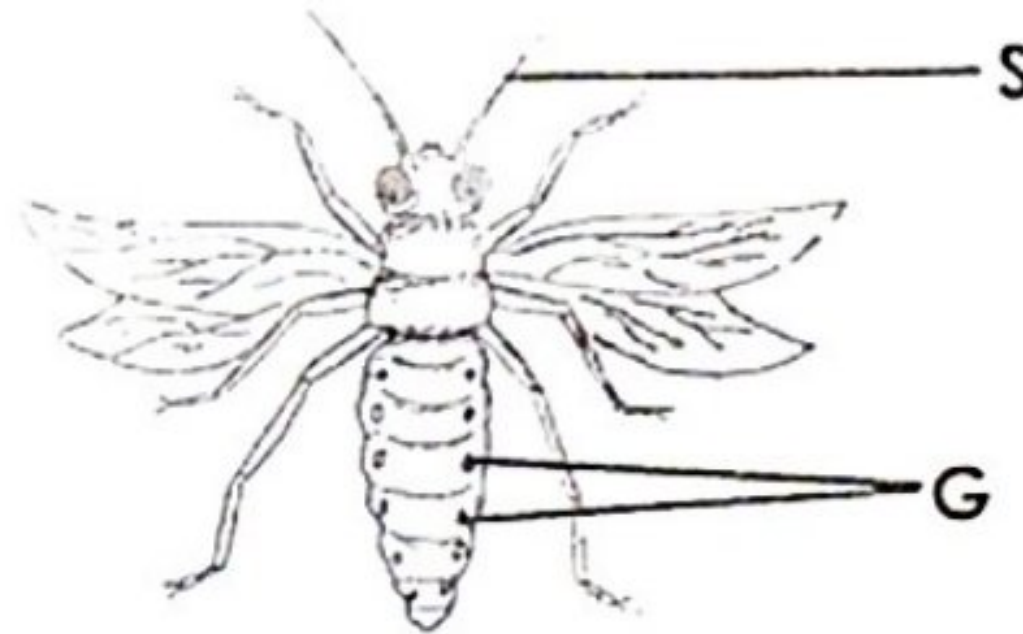
26. Why are lightning conductors placed on top of buildings?



27. Which respiratory disease is got through drinking unboiled cow's milk?

28. State **one** characteristic of energy.

The diagram below shows an insect. Study it and answer questions 29 and 30.



29. Identify structure marked **S**.

30. In which way is part labelled **G** useful to insects?

31. Give a reason for opaque objects being able to form shadows.

32. Give **one** advantage of using biogas over natural gas.

33. Name any **one** life skill that can safe guard you against alcoholism.

34. State any **one** characteristic that makes frogs living things.

35. Under which condition should one use displacement method to measure volume of objects?

36. State any **one** use of useful fungi to people.



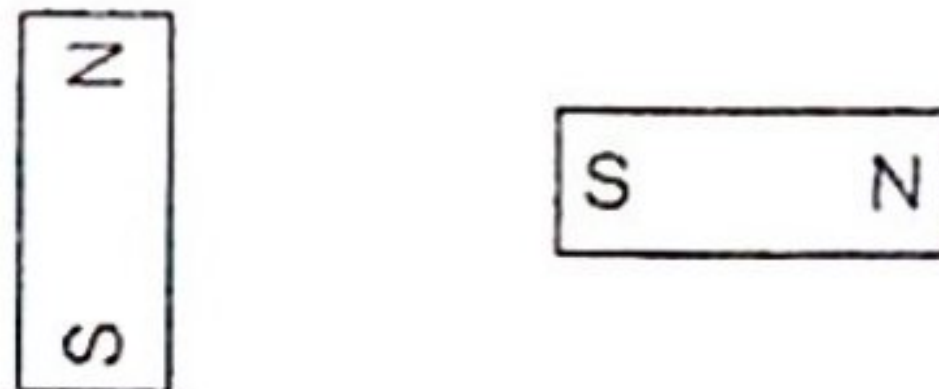
37. Outline any **one** use of mulching a banana plantation.

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38. Give any **one** importance of bees to plants.

.....

39. The diagram below shows two bar magnets. Use them to draw a diagram showing like poles of magnets repel each other. (2 marks)



**SECTION B: 60 Marks.**

41 (a) Outline any **two** ways people care for animal resources?

(i).....

(ii).....

(b) State any **one** way of conserving each of the following resources:

(i) minerals

.....

(ii) water

.....



42. Match the following instruments in list **A** to their uses in list **B** correctly.

**A**

**B**

- (a) Barometer
- (b) Anemometer
- (c) Hygrometer
- (d) Wind sock

- measure humidity
- measures the strength of wind.
- measures air pressure
- measures the speed of wind.

- (a) Barometer .....
- (b) Anemometer .....
- (c) Hygrometer .....
- (d) Wind sock .....

43. (a) In **one** sentence, define the term refraction.

.....  
.....

(b) What causes refraction of light?

.....  
.....

(c) Give any **two** dangers of refraction in our daily life.

- (i) .....
- (ii) .....

44. (a) What is a balanced diet?

.....  
.....

(b) Name any **two** food values.

- (i) .....
- (ii) .....

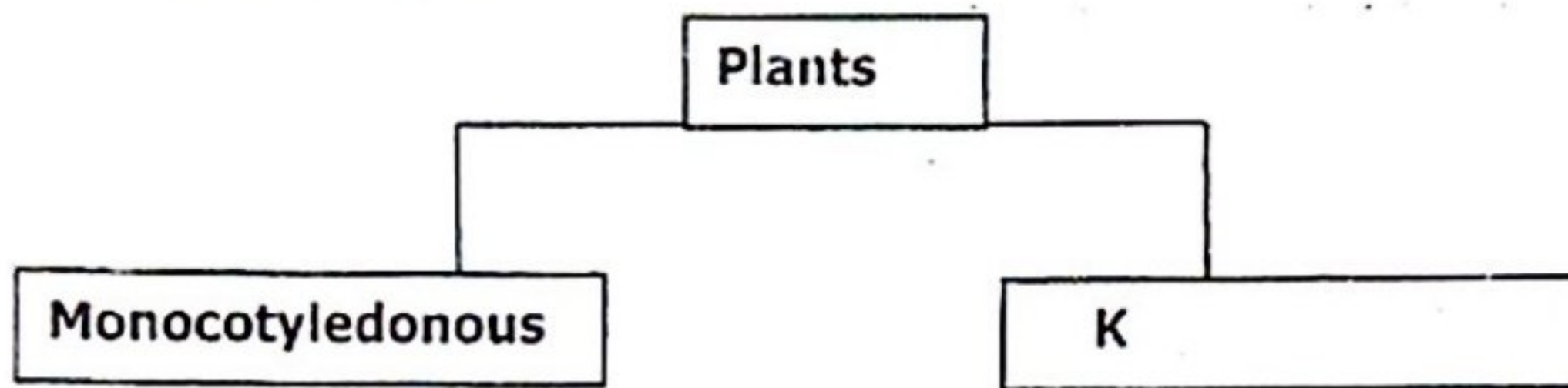
(c) Outline the major use of eating a balanced diet to the human body.

.....  
.....



45. (a) Which common accident is caused by dry heat on our skin?  
 .....  
 .....
- (b) Why should people with such accidents in (a) above be given first aid?  
 .....
- (c) State any **two** ways of preventing dry heat from causing injuries to children.  
 (i) .....  
 (ii) .....

46. The table below shows a classification of plants. Study it and answer question 46.



- (a) Identify the group of plants marked **K**.  
 .....
- (b) Give any **two** characteristics of monocotyledonous plants.  
 (i) .....  
 (ii) .....
- (c) State the similarity between monocotyledonous plant and **K** in the way they reproduce.  
 .....
47. (a) Which element of PHC is observed by;  
 (i) sharing information about health matters  
 .....  
 (ii) smoking pit latrines  
 .....
- (b) Name any **two** activities you can do to observe personal hygiene.  
 (i) .....  
 (ii) .....



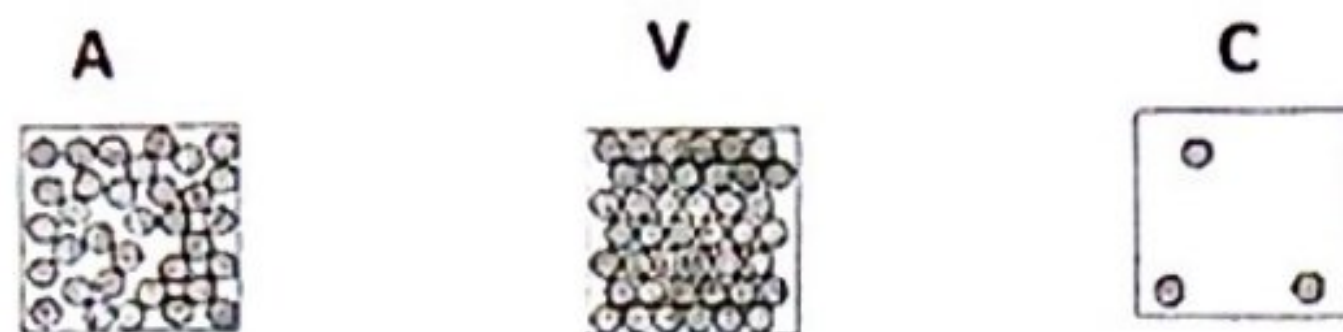
48. The diagram below shows a method of feeding a baby. Use it to answer the given question.



- (a) Identify the method of feeding babies shown above.  
.....
- (b) State any **one** way the above method benefits the following;
- (i) Mother  
.....
- (ii) Baby  
.....
- (c) State **one** condition in which a mother is advised to use bottle feeding.  
.....
49. (a) Which type of sex characteristics are boys and girls born with?  
.....
- (b) Give any **two** emotional changes which take place in adolescents.
- (i) .....
- (ii) .....
- (d) Which name is given to a teacher who takes care of girls issues in a school?  
.....



50. The diagram below shows molecules in the three states of matter. Study them and answer questions 50.





- (a) Identify the states of matter marked **V** and **C**.
- V** .....
- C** .....
- (b) How does heat travel through the state of matter marked **C**?
- .....
- .....
- (c) State **one** similarity between state **A** and **C**.
- .....
- .....
51. (a) In **one** sentence, state the meaning of sanitation.
- .....
- .....
- (b) Outline any **two** signs of poor sanitation in a home.
- (i) .....
- (ii) .....
- (c) Give any **one** danger of poor sanitation in a home.
- .....
52. (a) Besides swimming, give **one** other way limbless vertebrates can move.
- .....
- (b) Name the structures used by the following animals to move.
- (i) ducks
- .....
- (iii) fish
- .....



- (c) Why do fish move to different parts in a water body?
- .....
- .....

53. The table below shows garden tools and their uses. Study and complete it correctly.

Garden tool	Name	use
(i).....	Forked hoe	for digging hard ground
	(ii).....	(iii).....
	Panga	(iv).....

54. (a) Apart from land, mention any **two** other requirements for starting a livestock farming.

- (i) .....
- (ii) .....

(b) How do people acquire land for starting a farm?

- (i) .....
- (ii) .....



55. (a) Learners of a P.5 class were told to find the volume of a small stone. Materials and the steps were provided. Re-arrange the following steps in their correct order if the learners were to get the volume of the small stone.

- Mark the new level of the water.
- Tie the stone with a string and lower it gently in a measuring cylinder.
- Put some water in a measuring cylinder.
- Mark the reading of the water level.

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