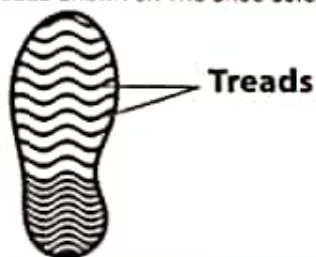
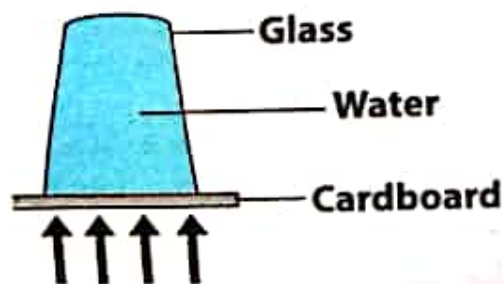


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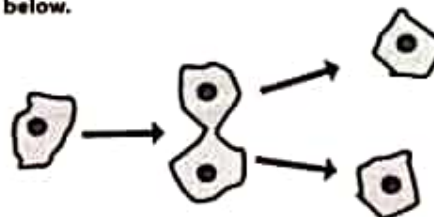
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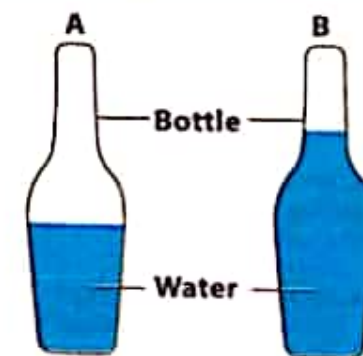
## SECTION A

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- 19 Identify anyone organism that under goes the above mode of reproduction.
- 20 What type of stems do sweet potatoes have?
- 21 Give one reason why you urinate more frequently on a cold day than on a hot day?
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- 25 Mention any one sexual deviation commonly practiced by youth today?
- 26 How do plants in desert areas adapted to reduce water lose?
- 27 In which way is rusting similar to germination?
- 28 How are green plants important in the process of respiration?
- 29 Why are gaps left between rails along railway lines?

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- 31 Suggest one way in which one can maintain the proper working of the heart.
- 32 Why is a carapace useful to a tortoise?
- 33 What term refers to the rearing of cattle for milk production?
- 34 How does a person become a passive smoker?
- 35 In which way do improved charcoal stoves help in the conservation of the environment?
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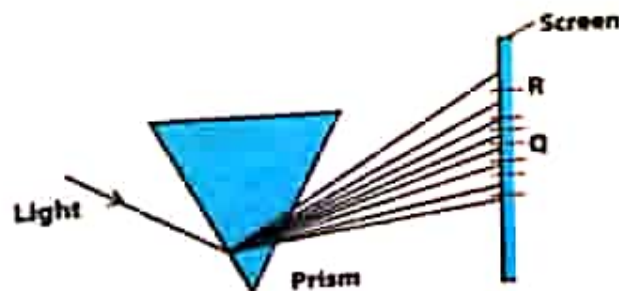
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- a) What type of root system is shown on the diagram above?  
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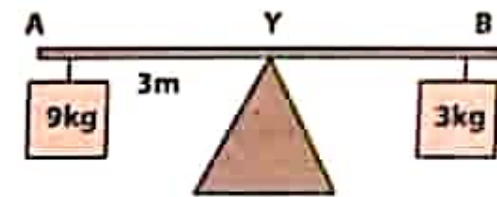
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- a) To which class of lever does it belong?  
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 b) What type of soil has the highest drainage?  
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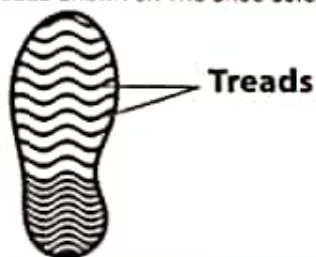
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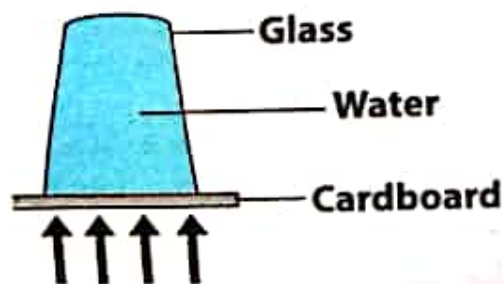
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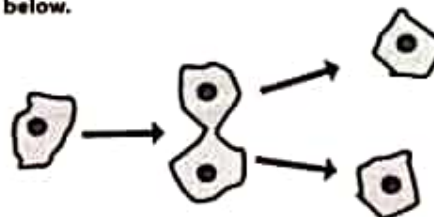
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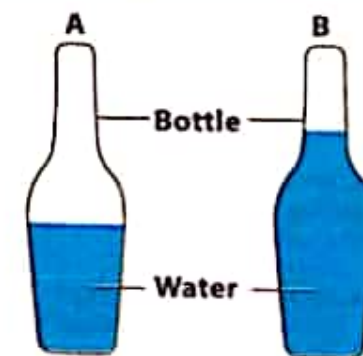
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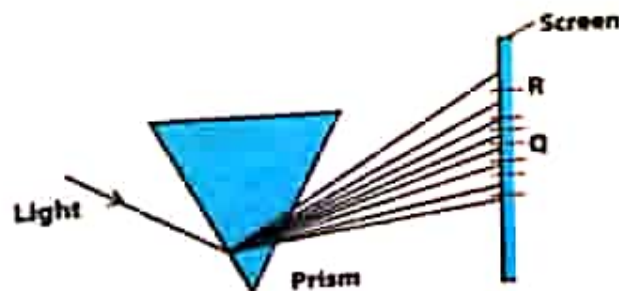
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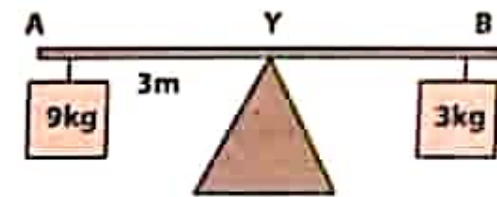
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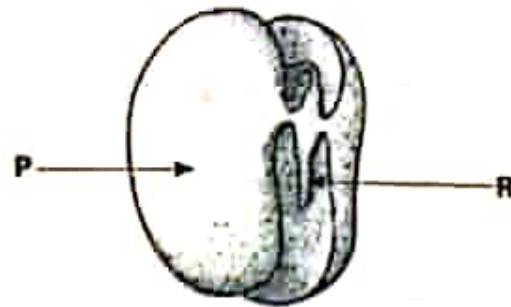
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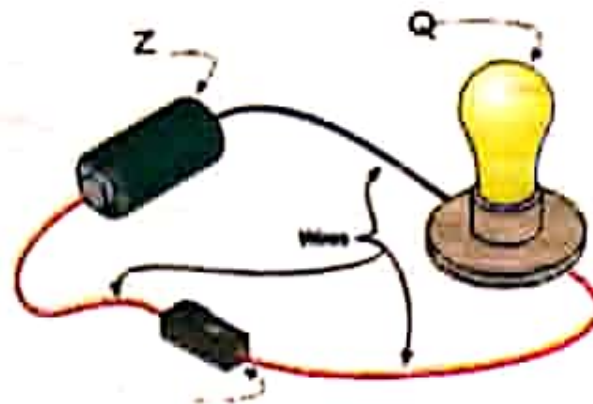
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41. The diagram below shows a germinating seed. Use it to answer questions.



- a) Name parts labelled P and R.  
(i) P (ii) R
  - b) What is the function of part R to the seed?
  - c) State any one condition that enables the above seed to germinate.
42. a) A part from refrigeration, give two other methods of preserving fish.  
b) Give two causes of fish extinction.

43. The diagram below an electric circuit. Use it to answer questions that follow.



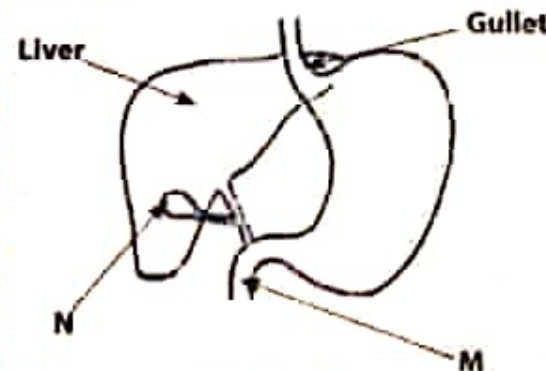
- a) Name parts marked W and Z.
- b) What happens to part Q when W is closed?
- c) Calculate the total voltage in the above circuit.

44. a) What is First?
- b) Give two reasons why casualties may need First Aid.
- c) Why are splints useful to a person with a fractured limb?

45. a) Give two systems of grazing cattle.
  - b) How are the following important in cattle farming?  
(i) Castration (ii) De-worming
46. a) What is teenage pregnancy?  
b) Give any two dangers of teenage pregnancy.  
c) How can school children prevent teenage pregnancies?

47. a) Give the meaning of the term energy resources?
- b) What is the major source of energy on earth?
- c) Give two ways wind can act as any energy resource.

48. Study the diagram below and answer the questions that follow.



- a) Name parts marked M and N.
- b) Where does food go after leaving M?
- c) State the role of the liver during the process of digestion.

50. a) Give the meaning of the following terms used in heat.  
(i) Conductors (ii) Insulators

- b) Why is the ironing part of flat iron made of metal?
- c) As a school child, why do you lift hot objects using paper tissues?

49. Match the weather instrument in A with what is related to B

A	B
a) Wind sock	- Atmospheric pressure
b) Rain gauge	- Strength of wind
c) Six's thermometer	- Temperature
d) Barometer	- How much it has rained

51. a) How do some families benefit from alcohol?
- b) State two dangers drinking alcohol
- c) Give one method of making alcohol.

52. a) What is pollination?
- b) Give any one type of pollination.
- c) What is the use of each of the following during pollination?  
(i) Anthers (ii) Stigma

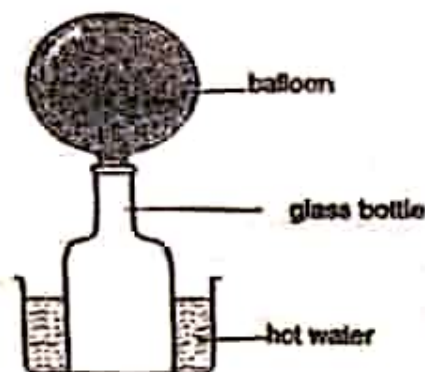
53. a) Write down any two 2rs as used in waste management.
- b) Give two reasons why proper waste management is useful to the environment.

54. a) In which part of the body do we find the following bones?  
(i) Femur (ii) Humerus
- b) Give two ways one can maintain the health of the bones in the body.

55. a) What is fainting?
- b) State two conditions that lead to fainting.
- c) Give the best first aid for fainting



1. Give one way for caring seedlings in the garden.
2. To which group of flowering Plants are legumes?
3. Give one example of a fungus
4. Name the catalysts of digestion.
5. State one danger of not brushing your teeth regularly.
6. Why is copper called a good conductor of electricity?
7. How is a worker bee able to carry pollen on its body?
8. Why is chlorophyll important in the process of photosynthesis?
9. What causes the balloon in the diagram below to expand?

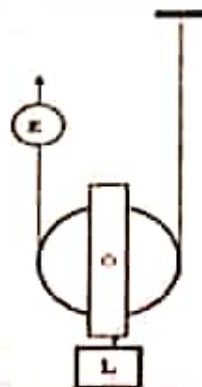


10. Give one example of a stem tuber.
11. Apart from trapping dust, give another function of wax to the human ear.
12. How is the cutting of trees for charcoal dangerous to the environment?
13. Give one characteristic of images formed in plane mirrors
14. Name one biological change in plants
15. How is boiling of water important to human life?



## SECTION A (40 Marks)

16. Name one instrument at home that operates by the help of an electro magnet.
17. Which component of a VIP latrine traps houseflies?
18. Apart from being organs of respiration, how else are the lungs useful in the body?
19. Name one activity that can help to reduce the spread of malaria in our communities.
20. Why does a piece of stone sink in water?
21. Give the difference between a urinary bladder and a gall bladder.
22. How does the pulley system below make work easy?



23. How is the reproduction of a house fly different from that of tsetse flies?
24. What is the use of synovial fluid at a joint?

25. State any one component of ORS
26. Name the type of mosquito that spreads malaria.
27. Name the food value we get from bananas
28. Give one reason why vitamins and mineral salts do not need to be digested.
29. State any one practice that reduces soil erosion in hilly areas.
30. What is the effect of drug abuse?
31. Why should garden tools be kept in dry places?
32. Which part of a living house allows stale air out?
33. How are valves important in the heart?
34. Why should you advise school children always to drink boiled or sterilized water?
35. How is reflected sound of use to a bat?
36. Give one advantage of breast milk to babies
37. Name the vaccine used to immunize cervical cancer.
38. Suggest one way health education can be done at school.
39. Name the state of matter is illustrated below.

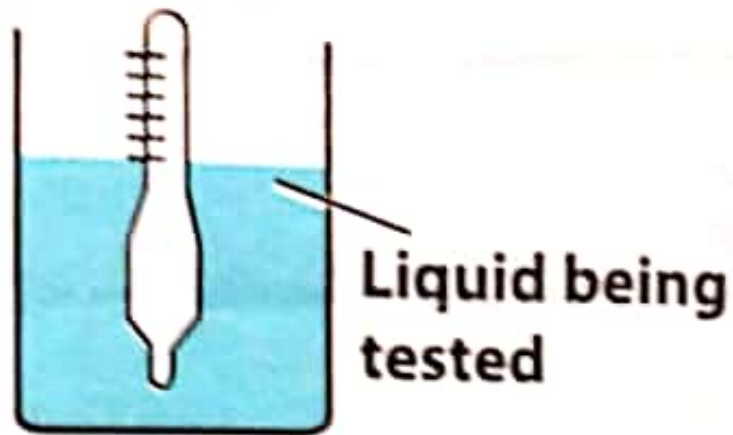


40. Give a reason why water is called an energy resource?

4. Give the importance of using soap when washing our hands.

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The diagram below shows an instrument used to measure density. Use it to answer questions 5 and 6.



5. Name the instrument shown above.

.....

6. In which units does the above instrument measure the density?

.....

7. State the amount of salt required in the making of ORS locally at home.

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8. Name one disease of goats and sheep which is controlled through applying animal quarantine.

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9. Give any one way of preventing soil erosion in a school compound.