SECTION A: 40 MARKS

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

1. Give any ***one*** place in which bacteria can live in the environment.

   .....

2. Name any **one** by-product of respiration.

   .....

3. Why is bathing daily a good health practice?

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4. In which way does the thinning help in controlling pests and diseases in the garden?

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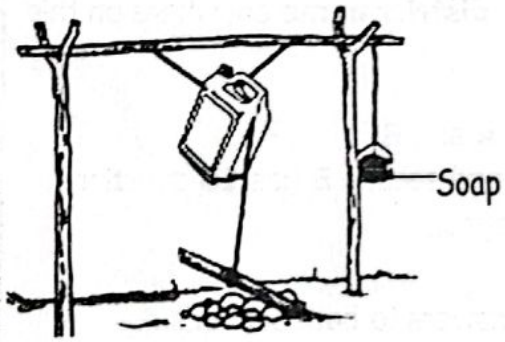
5. Mention any **one** substance that makes a smoker addicted to tobacco.

   .....

The diagram below shows sanitary equipment. Use it to answer questions **6** and **7**



6. Name the above sanitary equipment.

   .....

7. In which way is the above sanitary equipment effective in the prevention of **COVID 19**?

   .....

8. What is the role played by water put in a digester when making bio-gas?

   .....

9. State any **one** way of controlling foot rot disease in goat keeping.

   .....

10. Name the living part of tooth.

    .....

11. Write down any **one** example of physical biological change that occurs in boys only.

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12. Why are we advised to soak our clothes at home before washing them?

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13. Mention any **one** water vector disease that is caused by a virus.

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14. Why does water drain faster in sand soil than in clay soil?

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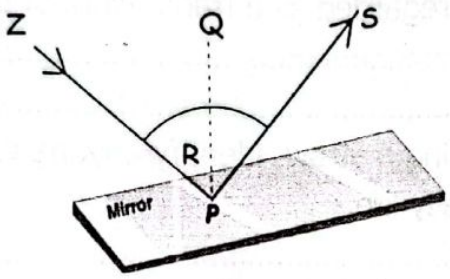
The diagram below shows reflection of light. Use it to answer questions **15** and **16**



15. Name the ray marked **S**.

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16. Calculate the size of angle **R** if angle **SPQ** is 40^0

17. Give the reason why **BCG** vaccine is administered to a baby once in life time.

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18. Apart from Rhode Island Red, name any ***one*** other pure breed of chicken kept for both meat and eggs production.

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19. How is guava seed adapted to animal dispersal?

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.....

20. Name any ***one*** part of the human ear which is not connected to the hearing process.

.....

21. Suggest any ***one*** way in which a P.7 pupil can control bad odour that results from body changes.

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22. Mention the health habit a school going child can do to protect him/herself from getting athlete's foot.

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23. Why is the human skeleton regarded as a frame work of bones?

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24. Apart from drinking soda using a straw, identify anyone way how air exerts pressure is applied in our daily life.

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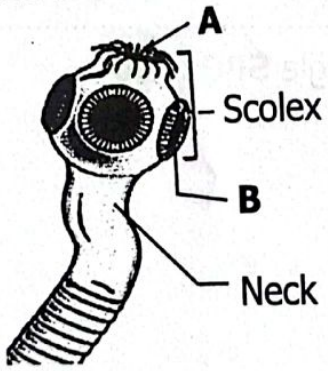
The diagram below shows one of the intestinal worm. Study and use it to answer questions **25** and **26.**



25. Name the above intestinal worm.

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26. In which way is part labelled **B** similar to **A** in their function?

.....

.....

27. Give a reason why it is easier to transport a kilogram of stones than a kilogram of feathers.

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28. Give any **one** way in which Primary Health Care is an important program in a community.

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29. State any **one** way in which cattle keepers can improve on the quality of cattle products.

.....

.....

30. Name the part of the kidney where selective re-absorption of filtered substances take place.

.....

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31. Give a reason why mosquitoes lay their eggs in stagnant water.

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32. A man pushed a wheelbarrow containing cement of **50N** through a distance of **700cm**. Find the work done.

33. State the reason why crop farmers practice seed dressing.

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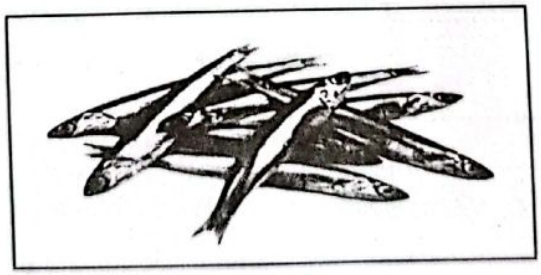
Study the type of fish shown below and use it to answer questions **34** and **35**



34. What is the name of the fish shown above?

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35. Suggest any **one** group of vulnerable people that are advised to eat the above type of fish.

.....

36. Why are bee keepers encouraged to put on bee veil during the inspection of bee hives?

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37. How can natural changes in the environment be controlled?

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38. Explain how you would reduce the noise produced when the door is being closed or opened.

.....

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39. In which medium does sound travel fastest?

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40. Identify the deficiency disease that makes palms and feet of a baby to turn white.

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SECTION B (60 MARKS)

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

41. a) Why do objects such as paper clips sometimes tend to float on water?

.....

.....

b) Mention any **two** factors that affect the floating of the objects.

i) .....

ii) .....

c) Give a reason why a P.5 pupil will fail to find the volume of cassava using formula of Length **X** Width **X** Height.

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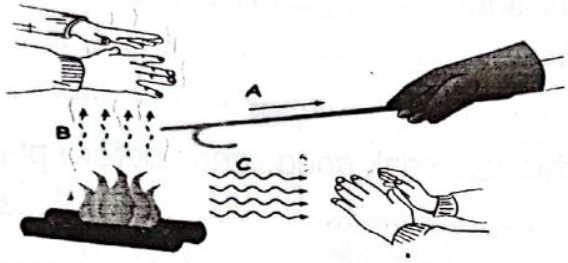
42. **The diagram below shows heat transfers. Study it carefully and answer questions that follow.**



a) Name the heat transfers at **A**, **B** and **C.**

A .....

B .....

C .....

b) In which ***one*** way is heat transfer at **C** useful to plants

.....

43. a) Give the meaning of the term **Sprain.**

.....

.....

b) Why is the ankle of a football player more likely to be sprained than that of a gardener?

.....

.....

c) Apart from a sprain, name other **two** disorders of muscular and skeletal system.

i) .....

ii) .....

44. a) Which element of **PHC** helps School going children from getting periodontal disease?

.....

b) Give any **two** ways how young people can avoid social and health problems in their community.

i) .....

ii) .....

c) Mention any **one** health life style which can control most of the common sicknesses in young people.

.....

45. a) Why does a cotyledon of a bean seed turn green after germination?

.....

.....

b) How is moisture important during seed germination?

.....

.....

c) Give a reason why some farmers soak good seeds before planting them.

.....

.....

d) Name the group of flowering plants where a bean plant belongs.

.....

46. a) State the difference between **refraction** and **reflection**.

.....

.....

b) Why do we usually see the band of seven colours in the sky when it is drizzling?

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c) Why is a rainbow seen with red colour on top and violet at the bottom?

.....

.....

d) State any **one** importance of shadows to people.

.....

.....

47. **The table below shows characteristics of different types of soil. Use it to answer the questions that follow.**

A	B	C
Has smooth texture Water logged Poorly aerated	Rough texture Well aerated Has lowest capillarity	Moderately aerated Has moderate soil texture Moderately drained

a) Identify the type of soil at **A**, **B** and **C**

A .....

B .....

C .....

b) Which soil sample would people use when filtering muddy water?

.....

48. a) State the importance of having a rack in our homes.

.....

b) Mention any **two** activities done to promote the cleanliness around our homes.

i) .....

ii) .....

c) State **one** danger of having poor sanitation in our homes.

.....

49. a) Mention any **two** biological changes in plants.

i) .....

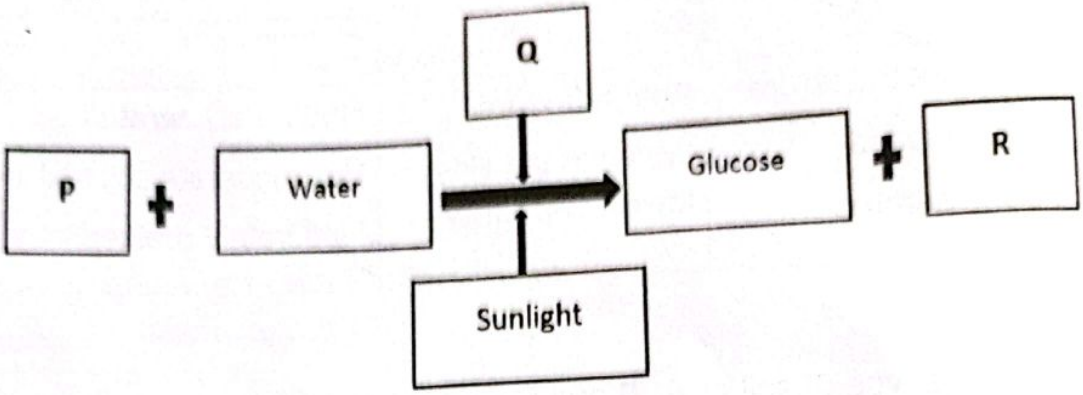
ii) .....

b) State any **two** ways in which biological changes are important in the environment.

i) .....

ii) .....

50. **The diagram below shows a plant process. Study and use it to answer the questions that follow.**



a) Which process in plants is shown in the diagram above?

.....

b) Name the substances represented by letters **P** and **Q**

P .....

Q .....

c) How do animals benefit from the substance produced at **R.**

.....

51. a) Mention **two** systems of keeping poultry where birds are kept for commercial purpose.

i) .....

ii) .....

b) Give any **one** advantage of artificial brooding in poultry management.

.....

c) Why are poultry farmers advised to put a spinning handle on feeding trough?

.....

.....

52. a) Where do the following processes take place during pregnancy?

i) Implantation: .....

ii) Fertilization: .....

b) How is the ovum in human beings similar to ovules of plants?

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c) Name the fluid that protects the foetus from external pressure and shock.

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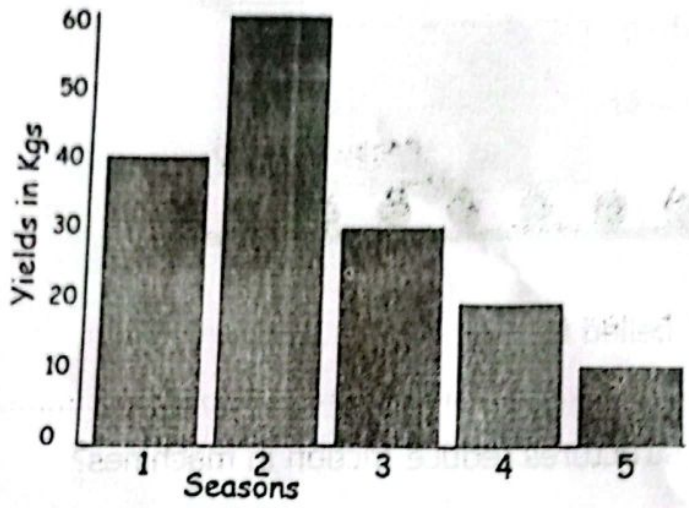
53. **The graph below shows yields on a crop farm. Study it carefully and answer questions that follow.**



a) In which season did the farmer get more yields?

.....

b) Suggest any **one** factor that led to improved yields in the season mentioned above?

.....

c) How much yields did the farmer get in season five?

.....

d) Suggest any **one** factor you think led to the yields in season 5 on the crop farm.

.....

54. a) Name the form of energy that is stored in dry wood.

.....

b) State the importance of melting in our daily life.

.....

.....

c) In which way is heat effect managed in electricity installation.

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d) By what process does heat travel through saucepan during cooking food.

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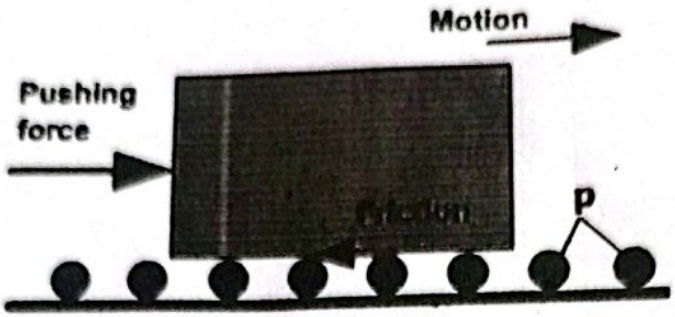
55. **The diagram below shows force being exerted on a wagon. Study it carefully and answer questions that follow.**



a) Name structures labelled **P.**

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b) How do the above structures reduce friction in machines?

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c) Apart from using the structures above, how else can **one** reduce friction in machines?

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e) Explain **one** method of increasing friction in machines.

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