

MOTHERCARE PREPARATORY SCHOOLS

PRIMARY SIX INTEGRATED SCIENCE

Name: _____ Stream: _____

Branch: _____

SECTION A

1. Name one crop pest that is a mammal.

2. Which sensory organ enables us to taste food?

3. Of what importance are grit found in the gizzard of birds.


4. What is mulching?

5. Name any one sea mammal.

6. Why do plants with weak stems climb others?

7. Name the gas found in tobacco smoke that causes addiction.

8. Write down one characteristic of insect.

9. Give the function of the blood component shown below.


10. State any one way through which soil is formed.

11. Name the type of blood carried by the pulmonary artery.

12. Give one reason why people smoke tobacco.

13. Give the term that refers to the bodies ability to fight against germs.

14. How useful is a queen excluder in a bee hive?

15. Give any one flightless bird.

16. What is 'volume of sound'?

17. Write down one type of soil.

Study the diagram below and use it to answer questions 18 and 19.



18. Name the part marked M.

19. To which group of birds does the above foot belong?

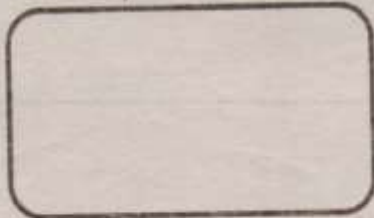
20. Which deficiency disease is likely to affect children whose diet lacks vitamin C?

21. Write down one example of an amphibian.

22. Give one similarity between burning and rusting.

23. What do fish use for breathing?

24. In the space below, draw the garden tool for transplanting seedlings.



25. Give one sign of a dehydrated child.

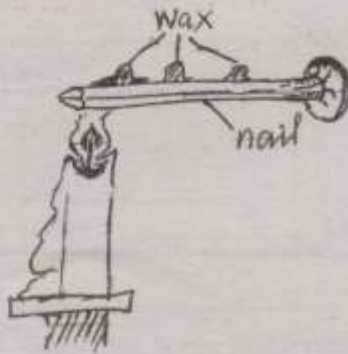
26. Why is it important for a teacher to check on the children's nails before they enter into the classroom?

27. Mention one insect which undergoes incomplete metamorphosis.

28. Why do poultry farmers debeak layers?

29. Which body organ detects bad smell?

30. Identify the method of heat transfer shown below.



31. Name the gas which is used to put out fire.

32. Why does a leaf float when put in water?

33. Give any one element of PHC.

34. State one way of controlling mosquitoes in a home.

35. What advice would you give to a mother whose child has diarrhoea?

36. Name one body organ protected by the rib cage.

37. Apart from tobacco, name one other drug of dependence.

38. Which process in nature increases the amount of oxygen in the atmosphere?

39. Why do we boil water for drinking?

40. Besides seeing the scar left on the right upper arm, how can a teacher know that the child was immunized against tuberculosis.

SECTION B

41.a) What are vertebrate animals?

b) Write down any two groups of cold blood vertebrates.

(i) _____ (ii) _____

c) Why are monkeys said to be vertebrate animals?

42.a) What do you understand by the following terms?

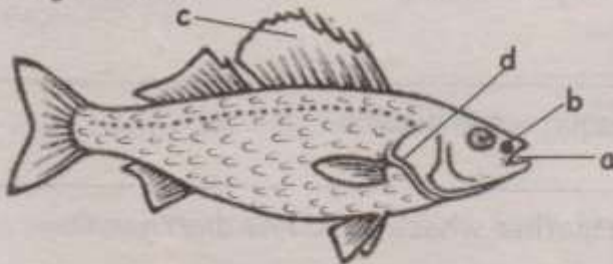
(i) Pitch

(ii) Frequency

b) State one factor which affects pitch of sound.

c) In which state of matter does sound travel fastest?

43. The diagram below shows a fish. Use it to answer questions that follow.



a) Name the parts marked a and c.

(i) a _____

(ii) c _____

b) Give the function of part labeled d.

c) Draw an arrow with letter X to show the part which detects sound waves in water.

44. Match the following body organs to their functions correctly.

Organ	Function
liver	gaseous exchange
heart	filters blood
kidneys	pumps blood
lungs	produces bile

- a) liver _____
- b) heart _____
- c) kidneys _____
- d) lungs _____

45.a) Who are vulnerable groups of people?

b) Mention any two examples of vulnerable groups of people.

- (i) _____
- (ii) _____

c) Write down one way of caring for any of the above mentioned group of people.

46.a) Give the term that refers to the removal of top soil by its agents.

b) Name any two causes of soil erosion.

- (i) _____
- (ii) _____

c) Mention the disease that destroyed the white blood cells.

47.a) Apart from white blood cells, name any two other components of blood.

- (i) _____
- (ii) _____

b) Why does blood go to the lungs before it is pumped to all body parts?

c) Mention the disease that destroys the white blood cells.

48. Complete the table below correctly.

Disease	Germ
_____	chlamydia
Malaria	_____
_____	trypanosoma
cholera	_____

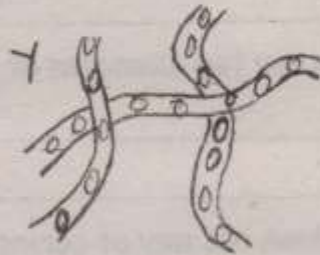
49.a) Give the term that refers to the condition of the atmosphere at a given time and place.

b) Write down any two elements of weather.

(i) _____ (ii) _____

c) Why is a Stevenson screen often painted white?

50. The diagrams below show eggs laid by two different amphibians. Use them to answer questions that follow.



a) Identify the amphibians that lay eggs in;

(i) X _____

(ii) Y _____

b) What type of fertilization do amphibians undergo?

c) Apart from a toad and a frog, give one other example of an amphibian.

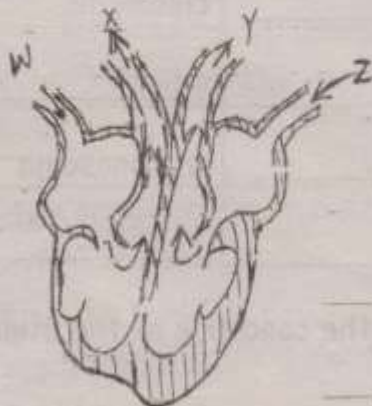
51.a) Write ORS in full.

b) Why should a dehydrated person be given ORS?

c) Name one important mineral salt lost from the body during diarrhoea.

d) Give one solute used in ORS.

52. The diagram below shows an organ of the body. Use it to answer questions that follow.



a) To which body system does the above organ belong?

b) Name the blood vessel marked Z.

c) Where does blood through X go to?

d) State one difference between veins and arteries.

53.a) Name two food stuffs that are sources of carbohydrates.

(i) _____ (ii) _____

b) Which class of food is needed by patients in larger amounts?

c) Give one example of a food taboo among Muslims.

54. The diagram below shows a home of a certain animal.



a) Name the structure shown above.

b) Which animal uses the structure shown above?

c) Besides being a home, give one other importance of the structure to the animal that uses it.

d) To which group of invertebrates does the above animal belong?

55.a) How does heat from the sun reach the earth?

b) What term refers to the change of state from gas to liquid?

c) Write down the type of change that occurs in (b) above.

d) How does heat travel through a vacuum?