

Science Test Class VIII

Time : 2.30 Hrs.

M M: 80

General Instructions:

- a. All questions are compulsory. Internal choice is provided in 5 Mark questions and 3 Mark questions.
- b. Questions 1 and 2 have subparts of 1 mark each.
- c. Questions from 3 to 12 are 2 marks questions. Those are to be answered in about 30 words.
- d. Questions from 13 to 22 are 3 marks questions. These are to be answered in about 50 words.
- e. Questions from 23 to 26 are 5 marks questions. These are to be answered in about 70 words.
- f. Separate Questions involving diagrams are provided for visually challenged students (typed in Bold)
- g. Draw diagrams wherever necessary

Q1. Fill in the blanks 5 X 1

- a. Damaged seeds _____ on the surface of water.
- b. Plastic are _____ conductor of electricity.
- c. _____ is stored in kerosene.
- d. A liquid fuel, used in homes is _____.
- e. A place where animals are protected in their natural habitat is_____.

Q2. Mark as True / False 5 X 1

- a. Plants of a particular area are known as flora of that place
- b. Red Data Book contains a record of extinct species.
- c. Copper displaces zinc from zinc sulphate solution
- d. Paramecium is single celled organism
- e. Cells are the basic unit of life

Short Answer Questions

10 x 2

Q3. What is metamorphosis? Write one example of it?

Q4 Can microorganisms be seen with the naked eye? If not how can they be seen?

Q5 Rajesh wants to buy shirts for summer Should he buy cotton shirts or shirts made from synthetic material? Give reasons

Q6 State some ways by which we can save petrol / diesel while driving

Q7. What is reproduction? Write the two modes of it

Q8 Write any two uses of common metals

Q9. What are the advantages of using CNG and LPG as fuels (mention any two)?

Q10. Differentiate between internal fertilisation and external fertilisation.

Q11. What are kharif crops? Use one example of it.

Q12. Define Malleability and Ductility.

Short Answer Questions

10 x 3

Q13. List three points by which you can contribute to the maintenance of green wealth of your locality?

Q14. What are weeds? Write two ways to control them?

1 + 2

Q15. Write three ways in which microorganism are helpful to us?

Q16. What is food poisoning? Explain any two methods of food preservation?

OR

Name four groups of microorganisms. Which one used in bakery industry

Q17. Make a labelled diagram of a candle flame

For visually challenged

Mention various zones of a flame and state which one is hottest and why,

Q18. What will happen if

a. we go on cutting trees

b. the habitat of an animal is disturbed.

c. the top layer of soil is exposed.

Q19. Differentiate between fertilizers and manure.

Q20. Where are chromosomes found in a cell, State their functions.

Q21. List any three changes in the body that take place in boys and girls at puberty .

Q22 Explain the importance of reproduction in organisms and its types

Long Answer Questions

4 x 5 = 20

23. What is Fuel? Write any four qualities of an ideal fuel.

1 x 4

OR

What happens when

- Dilute sulphuric acid is poured on a copper plate.
- Iron nails are placed in copper sulphate solution.

Write word equations of the reactions involved.

24. A. What is combustion? Write any two conditions necessary for combustion.

B. In an experiment 2.5 kg of a fuel was completely burnt. The heat produced was measured to be 90000 kJ. Calculate the calorific value of the fuel.

1 + 2 + 2

Q25. Why cell is called structural and functional unit of life? Write any three difference between plant and animal cell.

2 + 3

OR

Who Discovered cell? Write short notes of following:

1 + 2 + 2

- Cytoplasm
- Nucleus of a cell.

Q26. A. What are hormones? Write the name of any four glands and hormones released by them.

1 + 4