

CBSE
Previous year Paper

Class VIII

Science

Time: 3 hrs

Total Marks: 80

General Instructions:

- 1. The question paper consists of 24 questions.**
- 2. All questions are compulsory.**
- 3. Question 1 and 2 carry 1 mark each.**
- 4. Question 3 to 7 carry 2 marks each.**
- 5. Question 8 to 15 carry 3 marks each.**
- 6. Question 16 to 21 carry 5 mark each.**
- 7. Question 22 contains fill in the blanks of 4 marks.**
- 8. Question 23 contain match the columns of 3 marks.**
- 9. Question 24 contains MCQs of 7 marks.**

1. Synthetic fibres are uncomfortable to wear in summers. Why?
2. Explain water logging.
3. Why are earthworms considered a farmer's friend?
4. A pendulum oscillates 50 times in 5 seconds. Find its time period and frequency.
5. What are biodegradable and non-biodegradable pollutants? Give examples.
6. List two useful and two harmful effects of fungi.
7. How would you distinguish between a thermoplastic and a thermosetting plastic?
8. Give reasons for the following.

- (a) Aluminium foils are used to wrap food items.
- (b) Immersion rods for heating liquids are made up of metallic substances.
- (c) Sodium and potassium are stored in kerosene.

9. Define

- (a) Greenhouse effect
- (b) Global warming
- (c) Acid rain

10. Define

- (a) Menstruation
- (b) Menopause
- (c) Sex hormones

11. (a) Name the force used in removing iron scrap from a heap of mixed scrap.

(b) A force of 200 N acts on an area of 4 m^2 .

(i) What pressure is produced?

(ii) What would the pressure be if the same force acted on half the area?

12. Give reasons for the following.

- (a) Shoes of athletes have grooves under them.
- (b) It is difficult to write on a glazed paper.

13. How would you show that the gas obtained at cathode during electrolysis of water is hydrogen and that obtained at anode is oxygen?

14. Explain how lightning takes place.

15. How does Earth provide ideal conditions for all forms of life including human beings? (Write any three points).

16. (a) What are chromosomes and why are they called the seat of hereditary information?

(b) What are ribosomes?

17. (a) How can you conserve petrol and diesel?

(b) How is coal formed?

18. (a) What are various conditions required for combustion to take place?

(b) Draw a labelled diagram of a flame.

19. (a) Why does a female, which fertilise externally, produce large number of eggs?

(b) Explain the structure of a sperm.

20. (a) What is the range of vision of a normal human eye?

(b) Compare the transmission of sound in solids, liquids and gases.

21. (a) Explain why we cannot see our surrounding clearly when we enter a darkened cinema hall from bright sunshine but our vision improves after sometime.

(b) Two mirrors meet at right angles. A ray of light is incident on one at an angle of 30° as shown in figure. Draw the reflected ray from the second mirror.

22. Fill in the blanks:

(a) _____ is a place where milk and milk products are sold.

(b) Cholera is caused by _____.

(c) Ribosomes are the sites of _____ synthesis.

(d) Substances that do not conduct electricity in aqueous solutions or in molten state are called _____.

23. Match the columns:

Column A

Column B

(a) Bioconcentration

(i) Carbon dioxide

(b) Testes

(ii) Insulin

(c) Greenhouse effect

(iii) Pesticides

- (d) Cloth
- (e) Pancreas
- (f) Pupil
- (iv) Small opening in the iris
- (v) Testosterone
- (vi) Bad reflector of sound

24. Multiple Choice Questions:

- (a) Which of these is not a cereal?
 - (i) Wheat
 - (ii) Rice
 - (iii) Gram
 - (iv) Maize
- (b) Microorganisms that cannot be classified as either living or non-living are
 - (i) Virus
 - (ii) Bacteria
 - (iii) Fungi
 - (iv) Protozoa
- (c) The structural and functional units of life are called
 - (i) Tissues
 - (ii) Cells
 - (iii) Organs
 - (iv) Organisms
- (d) Which of the following is the major reason for pollution in big cities?
 - (i) Fossil fuel
 - (ii) Acid rain
 - (iii) Heat dispersion
 - (iv) None of the above
- (e) Water cannot extinguish
 - (i) Burning oil
 - (ii) Burning cloth
 - (iii) Burning wood
 - (iv) None of these

- (f) Which of the following damages the ozone layer of the atmosphere?
- (i) Chlorofluorocarbons
 - (ii) Carbon dioxide
 - (iii) Nitrogen dioxide
 - (iv) None of these
- (g) Where are the sperms in humans stored?
- (i) Penis
 - (ii) Testes
 - (iii) Vas deferens
 - (iv) Epididymis

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