

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 contains fill in the blanks of 4 marks.**
- 4. Question 2 contain match the columns of 3 marks.**
- 5. Question 3 contains MCQs of 7 marks.**
- 6. Question 4 and 5 carry 1 mark each.**
- 7. Question 6 to 10 carry 2 marks each.**
- 8. Question 11 to 18 carry 3 marks each.**
- 9. Question 19 to 24 carry 5 mark each.**

1. Fill in the blanks:

- (a) A _____ flame is produced during the burning of a fuel indicates the incomplete combustion of fuel.
- (b) Deforestation increases the _____ levels in the atmosphere.
- (c) Animals that lay eggs are called _____ animals.
- (d) Metal + Oxygen = _____.

2. Match the columns:

Column A

Column B

- | | |
|-----------------|--------------------|
| (a) Kharif crop | (i) Fuel for homes |
|-----------------|--------------------|

- | | |
|----------------------|-------------------------|
| (b) LPG | (ii) Soyabeans |
| (c) Oil seed | (iii) Non-contact force |
| (d) Frictional force | (iv) Mustard |
| (e) Magnetic force | (v) Pesticide |
| (f) Bioconcentration | (vi) Opposes motion |

3. Multiple choice questions:

- (a) Which of the following is not a liquid fuel?
- (i) Petrol
 - (ii) Kerosene
 - (iii) Diesel
 - (iv) LPG
- (b) Which one of the following is not a conservation category of wildlife?
- (i) Endangered
 - (ii) Extinct
 - (iii) Endemic
 - (iv) Vulnerable
- (c) Change in puberty are caused by
- (i) Sex cells
 - (ii) Hormones
 - (iii) Enzymes
 - (iv) All of these
- (d) The screen behind the eye lens is called the
- (i) Retina
 - (ii) Ciliary muscle
 - (iii) Iris
 - (iv) Pupil
- (e) Which of the following is called 'artificial silk'?
- (i) Polyester
 - (ii) Rayon

- (iii) Nylon
 - (iv) Acrylic
- (f) Oxides of non-metals are
- (i) Acidic
 - (ii) Alkaline
 - (iii) Neutral
 - (iv) Both (i) and (iii)
- (g) Deep sea divers wear special suits to
- (i) Keep dry
 - (ii) Maintain pressure
 - (iii) Maintain body temperature
 - (iv) Protect themselves from sea animals.

4. What is viscose?
5. Is cell wall living or dead?
6. Give two differences between manures and fertilisers.
7. If a musical instrument is made shorter in length, will its frequency increase?
8. What are the sources of water pollution?
9. Explain binary fission in bacteria with the help of a diagram.
10. List disadvantages of plastics.
11. (a) An element X combines with oxygen to form an oxide X_2O . When X_2O is added to water, it turns red litmus blue. Is X a metal or non-metal? Give reasons to support your answer.
(b) Name the metal which is stored in kerosene oil.
12. What steps have been taken to make 'Project Tiger' successful?
13. Insulin is the hormone secreted by an endocrine gland. Name the gland and write about the function of insulin.
14. (a) Why are boats and aeroplanes given a special shape?

- (b) State the kind of force:
- (i) When a bullock pulls a cart
 - (ii) Pieces of paper get attracted towards a charged comb
15. Explain the following:
- (a) It is useful for camels to have large flat feet.
 - (b) Stiletto heels are more likely to mark floors.
 - (c) You can fill a bucket from a downstairs tap quicker than from an upstairs tap.
16. Give reason for the following:
- (a) Phosphorus is stored in water.
 - (b) Graphite is used for making electrodes.
 - (c) Silver articles become black after some time when exposed to air.
17. Write the scientific terms for the following:
- (a) The point deep within the earth's crust, from where an earthquake originates.
 - (b) A device that protects tall buildings from the damage caused by lightning.
 - (c) Earthquake prone areas in the earth's crust.
18. What are known as constellations?
19. (a) Identify A, B and C in the following diagram.
(b) What type of cell is it? Give its one feature.
20. (a) How is natural gas obtained?
(b) What are the advantages of using natural gas?
21. Explain the various types of combustion.
22. (a) Write a short note on IVF.
(b) What is the function of uterus?
23. (a) Why can you not hear the echo if you stand 10 m away from a wall and shout towards it?
(b) What do you mean by quality of a sound?

24. The diagram given shows a section through the human eye.

- (a) Name the parts A, C, F and G.
- (b) Which label indicates a part which contains muscles?
- (c) What is the function of B?

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