

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.

1. Match the columns:

Column A

Column B

- | | |
|--------------------|---------------------|
| (a) Jupiter | (i) Soyabeans |
| (b) Fossil fuel | (ii) Extinct |
| (c) Siberian tiger | (iii) Rare |
| (d) Combustion | (iv) Biggest planet |
| (e) Blue whale | (v) Petrol |
| (f) Oil seed | (vi) Oxygen |

2. Multiple choice questions:

- (a) The production of fish is called
- (i) Apiculture
 - (ii) Sericulture
 - (iii) Pisciculture
 - (iv) Agriculture
- (b) Carrier of malaria-causing protozoan is
- (i) Aedes mosquito
 - (ii) Butterfly
 - (iii) Female Anopheles mosquito
 - (iv) Cockroach
- (c) The cell organelle that acts as a suicidal bag is
- (i) Mitochondria
 - (ii) Leucoplast

- (iii) Lysosome
- (iv) Ribosome
- (d) The SI unit of pressure is
 - (i) Pascal
 - (ii) kg/m^2
 - (iii) kg/m^3
 - (iv) Newton
- (e) TTH is a hormone secreted by the
 - (i) Thyroid
 - (ii) Pituitary
 - (iii) Adrenal
 - (iv) Ovary
- (f) National Wildlife Protection Act was formulated in
 - (i) 1972
 - (ii) 1974
 - (iii) 1976
 - (iv) 1978
- (g) Which type of pollution causes jaundice?
 - (i) Water
 - (ii) Air
 - (iii) Land
 - (iv) Thermal

3. What is meant by the term synthetic fibre?

4. Name the control centre of the cell.

5. By excessive supply of water or during floods soil becomes waterlogged. What should be done to prevent water logging?

6. Define frequency. What is the relationship between time period and frequency?

7. How can you conserve water at individual level?

8. Give an example of a disease caused by the following microorganisms, also write the mode of transmission.

- (a) Plant disease caused by virus
- (b) Human disease caused by virus
- (c) Human disease caused by bacteria

9. Is plastic a boon or a curse? Give reasons to support your answer.

10. How do chemical properties of metals and non-metals differ?
11. Given two examples of the following.
 - (a) Exotic species
 - (b) Extinct species
 - (c) Endemic species
12. List at least three reasons why adolescents take drugs.
13. State the kind of force:
 - (a) When you ride a bicycle
 - (b) When an apple falls from a tree
 - (c) That exists between the tyre of a truck and the road
14. What will happen when
 - (a) A plastic comb is charged?
 - (b) Two charged glass rods are brought together?
 - (c) A glass rod is rubbed with a silk cloth?
15. How is electrolysis of water carried out?
16. Define the following terms:
 - (a) Epicentre
 - (b) Focus
 - (c) Richter scale
17. What are planets? How do planets differ from a star?
18. (a) distinguish between plant cell and animal cell.
 - (b) Draw a labelled diagram of a plant cell.
19. (a) What is coke? How is it obtained?
 - (b) Distillation of crude oil produces several fractions. Identify the fraction
 - (i) which is used as a fuel for jet aircraft.
 - (ii) with the lowest boiling point.
20. (a) Explain how carbon dioxide is able to control fires.
 - (b) Label the three main zones in the figure given below.
21. Differentiate between the following.

- (a) Viviparous and oviparous organisms
- (b) Zygote and foetus
- (c) Internal and external fertilisation

22. Draw a labelled diagram of human ear and explain how energy of the sound wave is transmitted to the nerves in cochlea.

23. (a) How many images will be formed when the angle between two plane mirrors is

- (i) 90° ?
- (ii) 45° ?
- (iii) 60° ?

(b) In the dispersion of white light from a prism which colour

(i) bends the least?

(ii) bends the most?

24. Fill in the blanks:

- (a) Unpleasant and irritating sounds are called _____.
- (b) The maximum value of static friction is known as _____.
- (c) The process of depositing a layer of zinc on iron articles is called _____.
- (d) The end of reproductive cycle in females is called _____.