

CBSE Sample Paper Class 7 Science

Set 8

Time: 2 ½ Hours

Maximum Marks: 80

SECTION – A

Each of the following carriers 1mark

MULTIPLE CHOICE QUESTIONS.

1. _____ is used in starch test.

- (a) Safranin
- (b) Blue ink
- (c) Iodine
- (d) Litmus

2. Which of the acid is secreted in the stomach ?

- (a) Hydrochloric acid
- (b) Nitric acid
- (c) Sulphuric acid
- (d) Phosphoric acid

3. Exchange of gases takes place during _____

- (a) Respiration
- (b) Circulation

- (d) Breathing
- (c) Transpiration

4. Which of the following carry blood towards heart?

- (a) Arteries
- (b) Veins
- (c) Capillaries
- (d) Aorta

5. Spores are formed by

- (a) Yeast
- (b) Spirogyra
- (c) Mucor
- (d) Rose

6. Which of the following relations is correct ?

- (a) Distance = speed/time
- (b) Speed = time/distance
- (c) Distance = speed \times time
- (d) Speed = distance \times time

7. Which equipment is not based on heating effect of electric current ?

- (a) Electric bulb
- (b) Electric oven
- (c) Electric iron
- (d) Electric kettle

8. Fill in the blanks (4 Marks)

- (i) The cause of muscle cramp is _____ respiration.
- (ii) Birds and insects excrete _____ .
- (iii) A body is said to be in _____ if it covers equal distance in equal interval of time.
- (iv) Full form of LED is _____ .
- (v) _____ mirrors can be used to see a magnified image of our face.
- (vi) Rain water percolates through different layers of soil by the process of _____ .
- (vii) Saprophytes are also known as _____ .
- (viii) _____ is a biogas.

9. GIVE ONE WORD ANSWER. (4 Marks)

- (i) Nature of saliva produced in our mouth. _____
- (ii) The oxygen carrying components in blood. _____
- (iii) The network of very small vessels formed by two different kinds of blood vessels. _____
- (iv) Asexual reproductive unit protected by thick wall. _____
- (v) A number of primary or secondary cells arranged in series or parallel formation. _____
- (vi) An image that can be obtained on a screen. _____
- (vii) Passing chlorine gas through water to destroy germs. _____
- (viii) A process of preparing food in plants. _____

SECTION – B

Each of the following carriers 2 mark

10. What is an electromagnet?
11. What is a food web?
12. What is a pH scale? How does it help to identify the nature of a solution?
13. Name the glands associated with digestion.
14. Why does a piece of bread taste sweet on chewing?

SECTION – C

Each of the following carriers 3 mark

15. Why do room heaters have polished reflectors?
16. How is inhaled air different from exhaled air?
17. List the four major components of blood.
18. Differentiate between: Autotrophic and heterotrophic mode of nutrition.
19. Differentiate between: Asexual reproduction and sexual reproduction.
20. Differentiate between: Reflection and refraction of light.
21. Explain length, oscillation, amplitude and time period with reference to simple pendulum.
22. What is the function of kidney? Name its filtering unit.

SECTION – D

Each of the following carriers 4 mark

23. Discuss the ways of ingesting food by the following animals:

(i) Frog

(ii) Hydra

(iii) Mosquito & butterfly

24. Why are deep breathing exercises good for health?

25. How does water move up in tall trees?

26. How is sludge useful after its treatment?

SECTION – D (5 Marks)

27. Draw a labelled diagram of an electric bell and explain how current flows through it.

28. Describe a simple experiment to show that light travels in a straight line.

29. Match the following:

Column A	Column B
(1) Stems	(i) Maple
(2) Spores	(ii) Yeast
(3) Bud	(iii) Potato
(4) Wings	(iv) Rose
(5) Eyes	(v) Bread mould