



CBSE Class 8 Science Sample Paper Set 1

Time: 2 ½ hrs Total

Marks: 80

General Instructions –

- 1. The question paper consists of 34 questions and is divided into four sections, A, B, C and D.**
- 2. All questions are compulsory.**
- 3. Section A comprises question numbers 1 to 15. These are multiple choice questions carrying one mark each. You are to select one most appropriate response out of the four provided options.**
- 4. Section B comprises question numbers 16 to 22. These are SAQs carrying two marks each.**
- 5. Section C comprises question numbers 23 to 31. These are SAQs carrying four marks each.**

SECTION – A

1. In case of reproduction in Frogs, the eggs are hold together by [1]
- Water
 - Shell
 - Jelly
 - Frog's saliva

2. Which of the following gives the step wise method of reproduction? [1]
- a) Fertilisation à zygote à foetus à embryo
 - b) Fertilisation à foetus à zygote à embryo
 - c) Fertilisation à embryo à zygote à foetus
 - d) Fertilisation à zygote à embryo à foetus
3. The development of shell in hen's egg takes places during [1]
- a) The formation of zygote
 - b) The fertilisation
 - c) The travel to the oviduct
 - d) The incubation period
4. In case of multicellular organisms, a group of specialized cells form, [1]
- a) Embryo
 - b) Organs
 - c) Tissues
 - d) Nerves
5. Which of the following components of plant cells permits to and from movement of particles? [1]
- a) Cytoplasm
 - b) Cell membrane
 - c) Plasma membrane
 - d) Cell wall

6. Moths and insects repellent has its base from [1]
- a) Coal
 - b) Coke
 - c) Coal tar
 - d) Fossils
7. Which of the following artificial fibers are suitable for making men's and women's casual wears? [1]
- a) Rayon
 - b) Polyester
 - c) Acrylic
 - d) Nylon

SECTION – B

8. Explain the contribution of “magnifying glasses” in studying the Cell of the Organisms. [2]
9. Explain the process of formation of multicellular embryo from a single celled reproductive unit. [2]
10. Which season and months are best in India to sow the groundnut seeds? [2]
11. Which organelle in cytoplasm is responsible for carrying hereditary information? [2]
12. What are protected areas? Give example of one such kind. [2]
13. Explain how vibration and sound are interrelated. [2]
14. What force is present in solar system? What does it do? [2]

SECTION – C

15.

i) Does all the body parts grow at the same time during puberty?

ii) Explain two such scenarios to prove. [4]

16 Explain the process of fertilisation in frogs. Discuss the various stages involved in the life cycle of frog. [4]

17. Explain the importance of microorganisms in the production of dairy products. [4]

18. What are the inputs and outcomes of the “combustion” process? Give an

Example. [4]

19. How to prevent milk from spoiling and preserve it? [4]

20. What action has been taken to preserve the river Ganga? [4]

21. Give an example of highly reactive metal and non-metal and a method to store them. [4]

22. When does the eye consider an object is in motion? Give example. [4]

23. Pressure is inversely proportional to area. Prove it with example. [4]
