

CBSE Class 9 Science Sample Paper Set 9

SUBJECT: SCIENCE
CLASS : IX

MAX. MARKS : 80
DURATION : 3 HRS

General Instructions:

1. The question paper comprises of five sections – A, B, C, D and E. You are to attempt all the sections.
2. All questions are compulsory.
3. Internal choice is given in sections B, C, D and E.
4. Question numbers 1 and 2 in **Section-A** are one mark questions. They are to be answered in one word or in one sentence.
5. Question numbers 3 to 5 in **Section- B** are two marks questions. These are to be answered in about 30 words each.
6. Question numbers 6 to 15 in **Section-C** are three marks questions. These are to be answered in about 50 words each.
7. Question numbers 16 to 21 in **Section-D** are 5 marks questions. These are to be answered in about 70 words each.
8. Question numbers 22 to 27 in **Section- E** are based on practical skills. Each question is a two marks question. These are to be answered in brief.

SECTION – A

1. Name the tissue present under the skin and arranged in a pattern of layers.
2. Why are sound waves called mechanical waves?

SECTION – B

3. How do forests play an important role in maintaining the water cycle?
4. What is the role of nitrogen fixing bacteria?
5. What factors does the food requirement of dairy animals depend on?

OR

What is poultry? How can poultry help in solving the food and nutrition problem?

SECTION – C

6. Define biotic factors. Name a few biotic factors which damage the food material during storage.
7. (a) Why does the water kept in an earthen pot become cool in summer?
(b) Draw a well labelled diagram showing sublimation of camphor.
(c) Convert: 340 K to degree Celsius.
8. Why copper sulphate solution in water does not show tyndall effect but mixture of water and milk shows.

OR

Name the separation technique by which we can obtain coloured components from ink? Give two more application of the technique used.

9. (a) Define polyatomic ion.
(b) Write the name of the compound $(\text{NH}_4)_2\text{SO}_4$ and mention the ions present in it.
10. What does DNA molecule contain? Name the functional segment of DNA. In which form is the DNA present in a cell when the cell is not dividing ?

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