

# CBSE Class 10 Science Sample Paper SA 1

## Set 4

Time: 3hrs

M.M.: 80

### General Instructions :-

- (i) The question paper comprises of two Sections, A and B. You are to attempt both the sections.
- (ii) All questions are compulsory.
- (iii) There is no overall choice. However, internal choice has been provided in all the five questions of five marks category. Only one option in such questions is to be attempted.
- (iv) All questions of Section-A and all questions of Section-B are to be attempted separately.
- (v) Question numbers 1 to 3 in Section-A are one mark questions. These are to be answered in one word or in one sentence.
- (vi) Question numbers 4 to 7 in Section-A are two marks questions. These are to be answered in about 30 words each.
- (vii) Question numbers 8 to 19 in Section-A are three marks questions. These are to be answered in about 50 words each.
- (viii) Question numbers 20 to 24 in Section-A are five marks questions. These are to be answered in about 70 words each.
- (ix) Question numbers 25 to 42 in Section-B are multiple choice questions based on practical skills. Each question is a one mark question. You are to select one most appropriate response out of the four provided to you.

### SECTION: 'A'

1. In domestic electric circuit, with which wire do we connect a fuse? [1]
2. Name the two components of central nervous system in humans. [1]
3. Name one fuel used in nuclear reactor. [1]
4. Write the chemical reaction for respiration. Why is it considered an exothermic reaction? [2]
5. Mention one physical property each of a metal and a non-metal which is exceptional to their general properties. [2]
6. A battery of 12 V is connected to a series combination of resistors, 3  $\Omega$ , 4  $\Omega$ , 5  $\Omega$ , and 12  $\Omega$ . How much current would flow through the 12  $\Omega$  resistor? [2]
7. Why do two magnetic field lines never intersect each other? [2]
8. In the electrolysis of water: [3]
  - (i) Name the gas collected at the cathode and anode respectively
  - (ii) Why is the volume of one gas collected at one electrode double than that at the other? Name this gas.
  - (iii) How will you test the evolved gases?

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**M.L. Aggarwal, Depindra Verma**



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