

SCIENCE
CLASS X
Summative Assessment I

Max Marks:80

Time : 3hrs

General Instructions

- (i) The question paper comprises of two sections-section A and Section B
- (ii) All questions are compulsory.
- (iii) Question numbers 1 to 4 in Section A are 1 mark questions. Answer in a word or sentence
- (iv) Question Numbers 5 to 13 are 2 mark questions, to be answered in about 30 words each.
- (v) Question numbers 14 to 22 are 3 mark questions, to be answered in about 70 words each.
- (vi) Question numbers 26 to 41 in Section B are multiple choice questions. Each question carries 1 mark. Write the most appropriate answer.

SECTION A

- 1) Give the SI unit of resistivity
- 2) Name the most reactive metal in the reactivity series.
- 3) What is the role of acid in our stomach?
- 4) Name the enzyme present in saliva.
- 5) Define Ohms Law.
- 6) Suggest two methods to prevent rancidity.
- 7) Why is parallel connection preferred in the domestic supply of electric current?
- 8) How are fats digested in our body? Where does this process take place?
- 9) Give the balanced chemical equation for the following reactions:
 - (a) Calcium Hydroxide + Carbon dioxide $\longrightarrow$ Calcium carbonate + Water.
 - (b) Magnesium + oxygen $\longrightarrow$ Magnesium oxide.
- 10) What are alloys?
- 11) Why is sodium kept in kerosene?
- 12) Which gas is produced when dilute hydrochloric acid is added to a reactive metal? Write the chemical equation when iron reacts with dilute H_2SO_4 .
- 13) How is Oxygen transported in human beings?
- 14) Give three different pathways for the breakdown of Glucose.
- 15) On what factors does the resistance of a conductor depend? Show how these factors are related to the resistance?
- 16) What are the general physical properties of Metals?
- 17) Describe the structure and functioning of nephrons?
- 18) List the properties of magnetic lines of force.
- 19) Give any three disadvantages of fossil fuels.
- 20) What is resistivity? Why do we use alloys rather than pure metals to make electric toasters and electric irons?
- 21) Distinguish between renewable and non-renewable sources of energy.
- 22) State Fleming's Left hand Rule. Give two safety measures commonly used in electric circuits.
- 23) Draw and label a neuron. Explain how it carries messages.
- 24) (a) How is bleaching powder prepared? Give any two uses of it.
(b) Write two examples of water of crystallization.
- 25) (a) How can three resistors of resistances 2Ω , 3Ω and 6Ω be connected to give a total resistance of (a) 4Ω (b) 1Ω ?

Sample Paper Of Class 10 Sa1 Sst

Rachel S Tattersall



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