



Gurukul Global School
Class - X
Science (086)



Date: 09-07-2025
Time: 2 hrs.

M.M. 50

General Instructions:

- (i) This question paper consists of 24 questions in 6 sections.
- (ii) All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
- (iii) Section A consists of 12 objective type questions carrying 1 mark each.
- (iv) Section B consists of 04 Very Short questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words.
- (v) Section C consists of 04 Short Answer type questions carrying 03 marks each. Answers to these questions should be in the range of 50 to 80 words.
- (vi) Section D consists of 02 Long Answer type questions carrying 05 marks each. Answer to these questions should be in the range of 80 to 120 words.
- (vii) Section E consists of 02 source-based/case-based units of assessment of 04 marks each with sub-parts.

SECTION-A

1. When air is blown from the mouth into a test tube containing lime water, the lime water turned milky due to the presence of –
a) Oxygen
b) Nitrogen
c) Water vapours
d) Carbon – dioxide (1)
2. Which one of the following blood vessels contains only deoxygenated blood?
a) Pulmonary vein
b) Pulmonary artery
c) Capillaries
d) Aorta (1)
3. Movement of sunflower in accordance with the path of Sun is due to:
a) Chemotropism
b) Geotropism
c) Phototropism
d) Hydrotropism (1)
4. Which among the following is not a base?
a) NaOH
b) KOH
c) NH₄OH
d) C₂H₅OH (1)
5. When aqueous sodium carbonate (Na₂CO₃) reacts with HCl(aq), it gives
a) NaOH(aq), H₂(g) and CO₂(g)
b) NaCl(aq), H₂O(l) and CO₂(g)
c) NaHCO₃(aq), H₂(g) and CO₂(g)
d) NaHCO₃(aq), H₂O(l) and CO₂(g) (1)
6. Which of the following are exothermic processes?
(i) Reaction of water with quick lime
(ii) Dilution of an acid
(iii) Evaporation of water
(iv) Sublimation of camphor
a) (i) and (ii)
b) (ii) and (iii)
c) (i) and (iv)
d) (ii) and (iv) (1)
7. Identify the type of reaction:
 $\text{AgNO}_3 + \text{KCl} \rightarrow \text{AgCl} (\downarrow) + \text{KNO}_3$
a) Combination
b) Precipitation
c) Decomposition
d) Displacement (1)

