

# BOARD QUESTION PAPER: MARCH 2022

## CHEMISTRY

Time: 3 Hrs

Max. Marks: 70

### General Instructions:

The question paper is divided into four sections.

- (1) **Section A:** Q. No. 1 contains Ten multiple choice type of questions carrying One mark each.  
Q. No. 2 contains Eight very short answer type of questions carrying One mark each.
- (2) **Section B:** Q. No. 3 to Q. No. 14 are Twelve short answer type of questions carrying Two marks each. (Attempt any Eight).
- (3) **Section C:** Q. No. 15 to Q. No. 26 are Twelve short answer type of questions carrying Three marks each. (Attempt any Eight).
- (4) **Section D:** Q. No. 27 to Q. No. 31 are Five long answer type of questions carrying Four marks each. (Attempt any Three).
- (5) Use of log table is allowed. Use of calculator is not allowed.
- (6) Figures to the right indicate full marks.
- (7) For each multiple choice type of question, it is mandatory to write the correct answer along with its alphabet, e.g. (a)...../(b)...../(c)...../(d)..... etc.

No marks(s) shall be given, if ONLY the correct answer or the alphabet of the correct answer is written. Only the first attempt will be considered for evaluation.

### SECTION – A

Q.1. Select and write the correct answer for the following multiple choice type of questions:

[10]

- (i) The co-ordination number of atoms in body centred cubic structure (bcc) is \_\_\_\_\_.  
(a) 4                      (b) 6                      (c) 8                      (d) 12
- (ii) In calculating osmotic pressure, the concentration of solute is expressed in \_\_\_\_\_.  
(a) molarity                      (b) molality  
(c) mole fraction                      (d) percentage mass
- (iii) The enthalpy change for the chemical reaction  $\text{H}_2\text{O}_{(s)} \longrightarrow \text{H}_2\text{O}_{(g)}$  is called enthalpy of \_\_\_\_\_.  
(a) vapourisation                      (b) fusion  
(c) combustion                      (d) sublimation
- (iv) Which of the following transition element shows maximum oxidation state?  
(a) Sc                      (b) Fe                      (c) Mn                      (d) V
- (v) The correct formula for the complex compound, sodium hexacyanoferrate (III) is \_\_\_\_\_.  
(a)  $\text{Na} [\text{Fe}(\text{CN})_6]$                       (b)  $\text{Na}_2 [\text{Fe}(\text{CN})_6]$   
(c)  $\text{Na}_3 [\text{Fe}(\text{CN})_6]$                       (d)  $\text{Na}_4 [\text{Fe}(\text{CN})_6]$

# Hsc Chemistry Question Paper 22

**Lingsheng Yao**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

## **Hsc Chemistry Question Paper 22:**

## Decoding **Hsc Chemistry Question Paper 22**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Hsc Chemistry Question Paper 22**," a mesmerizing literary creation penned with a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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