

Manipur Board Class 12, 2026 Chemistry Question Paper

Time Allowed :3 Hours

Maximum Marks :100

Total questions :24

General Instructions

Read the following instructions very carefully and strictly follow them:

1. The paper is divided into Section A and Section B.
2. Section A includes objective-type, short answer, and long answer questions.
3. All questions in Section A are compulsory.
4. Section B contains elective questions based on the chosen topic.
5. Answers must be written legibly within the word limit.
6. Use of unfair means or electronic devices is prohibited.
7. Follow the correct format and instructions for each section.

1. Super conductors are

- (A) Diamagnetic
- (B) Paramagnetic
- (C) Plastics
- (D) Amorphous

2. Elevation in boiling point temperature, ΔT_b is

- (A) Colligative Property
 - (B) Intrinsic Property
 - (C) Extensive Property
 - (D) Non-colligative Property
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3. Gammmaxane is another form of

- (A) PVC
 - (B) BHC
 - (C) PDB
 - (D) DDT
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4. The macromolecule which is NOT a polymer out of the following is:

- (A) Chlorophyll
 - (B) Dacron
 - (C) Novolac
 - (D) Glyptal
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5. What are paramagnetism and diamagnetism?

6. Derive the expression for the Half life Period of a first order reaction.

7. Write the cause of Lanthanoid Contraction.

8. Explain how ruby and emerald gemstones impart colour.

9. Give an example of excellent anti-freeze additive in car coolants and calculate the molar mass of a liquid whose molar enthalpy of formation at 273K is $6.0246 \text{ kJ/mol}^{-1}$ and molal depression constant is $1.85 \text{ K kg mol}^{-1}$.

10. Define Corrosion and write the mechanism of rusting of iron. Give an example of antitrust solution.

11. Write the reaction steps involved in the formation of polyisobutylene.

