

Nagaland Board Class 12 Chemistry Question Paper(Memory Based)

Time Allowed :3 Hour	Maximum Marks :60	Total Questions :24
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General Instructions

Read the following instructions very carefully and strictly follow them:

- Answers to this Paper must be written on the paper provided separately.
- You will not be allowed to write during the first 15 minutes
- This time is to be spent in reading the question paper.
- The time given at the head of this Paper is the time allowed for writing the answers,
- The paper has four Sections.
- Section A is compulsory - All questions in Section A must be answered.
- You must attempt one question from each of the Sections B, C and D and one other question from any Section of your choice.

1. State Raoult's Law for volatile solutes and explain its deviations.

2. Define Molar Conductivity and explain its variation with concentration for strong and weak electrolytes.

3. Calculate the EMF of a cell using the Nernst Equation.

4. Explain the difference between Physisorption and Chemisorption.

5. Define Colligative Properties and provide two examples.

6. What is Lanthanoid Contraction and what are its consequences?

7. Discuss Werner's Theory of coordination compounds.

8. Explain the SN1 and SN2 mechanisms with suitable examples and reactivity orders.

9. Why is Phenol more acidic than alcohols?

10. Differentiate between DNA and RNA.

11. How can you distinguish between Aldehydes and Ketones using the Tollen's or Fehling's test?
