

WB Board Class 12 Chemistry Question Paper(Memory Based)

Time Allowed :3 Hours

Maximum Marks :70

Total questions :37

General Instructions

Read the following instructions very carefully and strictly follow them:

1. Please check that this question paper contains 15 printed pages.
2. Q.P. Code given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
3. Please check that this question paper contains 37 questions.
4. 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the candidates will read the question paper only and will not write any answer on the answer-book during this period.

1. State Raoult's law for a solution containing a non-volatile solute.

2. Define Molar Conductivity and explain its variation with dilution for a strong electrolyte.

3. Derive the integrated rate equation for a first-order reaction.

4. Define Gold Number and explain its significance in protective colloids.

5. What is the effect of a catalyst on the activation energy and enthalpy of a reaction?

6. Why are the boiling points of noble gases very low?

7. Explain why transition metals show variable oxidation states.

8. How will you distinguish between Ethanol and Methanol using the Iodoform test?

9. Convert Benzene to Aniline in not more than two steps.

10. What is a Zwitterion? Explain with the example of Glycine.
