

JK Board Class 10 Science(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. Define Corrosion and Rancidity and suggest methods for their prevention.

2. Explain the difference between displacement and double displacement reactions with equations.

3. Balance the following chemical equations: $H_2 + O_2 \rightarrow H_2O$ and $NaOH + HCl \rightarrow NaCl + H_2O$.

4. Define Oxidation and Reduction reactions with suitable examples (Redox reactions).

5. Define Acids and Bases according to the Arrhenius theory.

6. What is the pH scale, and why is pH important in everyday life?

7. Write the chemical formula and two uses of Washing Soda and Plaster of Paris (POP).

8. Explain the neutralisation reaction with an example and its utility in daily life.

9. What are amphoteric oxides? Give two examples.

10. Differentiate between metals and non-metals based on their chemical properties.

11. Explain the formation of Ionic Compounds (e.g., $NaCl$ or $MgCl_2$) and state their properties.

12. Explain the mechanism of cleaning action of soap (micelle formation).
