



RBSE

— CHAPTERWISE PYQ —

CHEMISTRY

— PREVIOUS YEARS' QUESTIONS —

2013 - 2026



Class
12



Chapterwise
Questions



Board Exam
Focused



Smart Practice
Better Scores

CHEMISTRY

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Solutions

Multiple Choice Questions:-

- Fill in the Blanks:-***

5. A homogeneous mixture of two or more chemical substances is called_____.
(RBSE2021)
6. The mathematical form of Henry's Law is _____.
[0.5M]
(RBSE 2024)
7. The unit of molarity is_____.
[0.5M]
(RBSE 2024)

- Very Short Answer Type Questions: -**

- YouTube: BOARD ZONE**

23. Write the solute and solvent in the gaseous solution of chloroform in nitrogen gas. [1M]
(RBSE 2026)

Short Answer Type Questions:-

31. A 35% (V/V) solution of ethylene glycol is used in vehicle for cooling the engine. Determine the volume of water in millilitre. [1.5M]

32. Calculate the mole fraction of gas *A* in the solution made on mixing 0.5 moles of gas *A* and 4.5 moles of gas *B*. [1.5M]

33. 0.05 moles of ethanoic acid is dissolved in 250 g benzene. Calculate the molality of the solution. [1.5M]

(RBSE 2024)

34. Draw a diagram showing reverse osmosis. [1.5M]

(RBSE 2025)

35. Define azeotrope. Explain minimum boiling azeotrope with the help of example. [1.5M]

(RBSE 2026)

Long Answer Type Questions:-

36. (A)(i) What happens to vapour pressure of water if a tablespoon of sugar is added to it ?
(ii) Which colligative property is preferred for the molar mass determination of macromolecules ?

(B) Will the elevation in boiling point be same if 0.1 mole of sodium chloride or 0.1 mole of sugar is dissolved in 1 L of water ?

(C) Can we separate the compounds of azeotropic mixture by fractional distillation ? Explain.

[3M]

(RBSE 2014)

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