

**SIDDHIKSHA EDUCATION CARE 2024-25****CHEMISTRY – 11**

9. What are the uses of plaster of paris?
 10. State Raoult's law.
 11. What happens when sodium carbonate is heated?
 12. What are isotonic solutions.
 13. Why alkali metals impart colour in Bunsen flame?
 14. Define Van't Hoff factor.
 15. Define Markonikoff's Rule.
 16. The depression in freezing point for a particular solution is 0.093 °C. The molal depression constant is 1.86 K Kg mol⁻¹. Calculate the concentration of the solution in molality.
 17. Why alkaline earth metals are harder than alkali metals?
 18. What is retrograde solubility?
 19. Define Mole fraction.
 20. What is aromatization?
 21. Draw the Lewis structures for the following species. i) HNO₃ ii) SO₃
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1. Explain Diagonal relationship.
 2. What is bonding energy?
 3. Define the term "Isotonic solutions"
 4. What is Van't Hoff factor?
 5. Write the structure for the following organic compounds. i) 2-methyl - 1 - propene ii) 3 - methyl - 1 - butyne
 6. Write Wurtz reaction
 7. Explain Ozonolysis
 8. What are the uses of sodium bicarbonate?
 9. Why sodium hydroxide is much more water soluble than sodium chloride?
 10. What are ideal and non ideal solutions? Give examples
 11. Define i) Molarity ii) Mole fraction
 12. Define atomic pressure.
 13. How Beryllium and Aluminium are diagonally related?