**1. Out of AICI3 and NaCl, which is more effective in causing coagulation of a negative sol and why?**

**2. What is the type of charge on Agl colloidal sol formed when AgNO3 solution is added to KI solution?**

**3. What is the effect of temperature on adsorptio**

**4. Write the dispersed phase and dispersion medium of paints.**

**5. Write the dispersed phase and dispersion medium of butter.**

**6. Out of BaCl2 and KC1, which one is more effective in causing coagulation of a negatively charged colloidal Sol? Give reason.**

**7. A delta is formed at the meeting point of sea water and river water. Why?**

**8. Physisorption is reversible while chemisorption is irreversible. Why?**

**9. Define adsorption with an example. Why is adsorption exothermic in nature?**  
**Write the types of adsorption based on the nature of forces between adsorbate and adsorbent.**

**10. Differentiate between the following:**  
**(i) Solution and colloid**  
**(ii) Homogeneous catalysis and Heterogeneous catalysis**  
**(iii) O/W emulsion and W/O emulsion.**