

- (a) No changes
(b) A yellow precipitate is formed

- (c) A white precipitate is formed
(d) Effervescence is observed

SECTION: B

(Marks: 12)

4. How would you separate a mixture of PbCl_2 and Hg_2Cl_2 ? Give their confirmatory tests as well. [3]
5. What is Soda extract? Why and how is it prepared? [3]
6. Explain: [3]
- a) Chromyl chloride test
 - b) Brown ring test
 - c) Borax bead test
7. Give a brief description of qualitative analysis of cationic radicals along with group members and group reagents. [3]

SECTION: C

(Marks: 12)

6. What are the theoretical principles involved in qualitative analysis? [4]
7. Give a flow diagram of qualitative analysis of Group IV cationic radicals. [4]
8. What are interfering radicals? Why and how are they removed? [4]