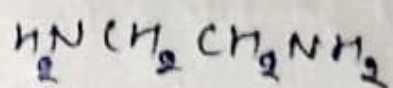
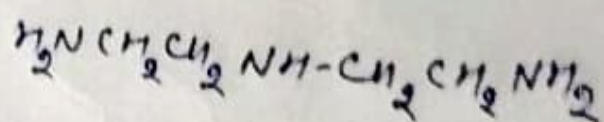


Q.1:

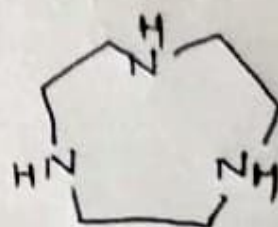
a) en :- ethylenediamine



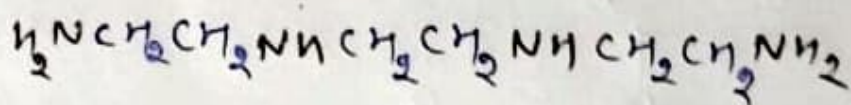
b) dien :- diethylenetriamine



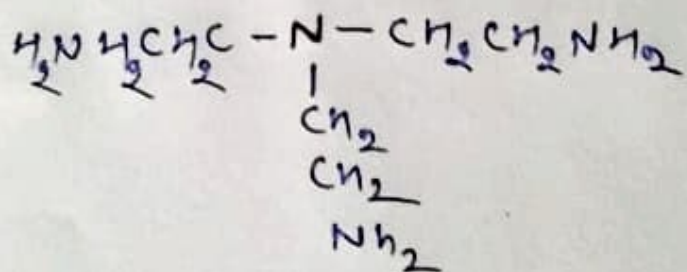
c) tach :- 1,3,7-triaza-cyclononane



d) trien :- triethylenetetra-amine



e) trien :- tris(2-aminoethyl)amine

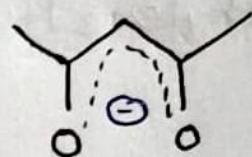


Q.2 →

IUPAC

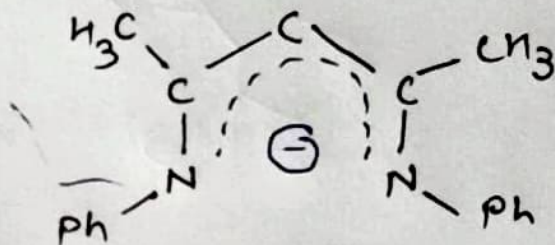
→ acetylacetonato

2,4-pentanedione



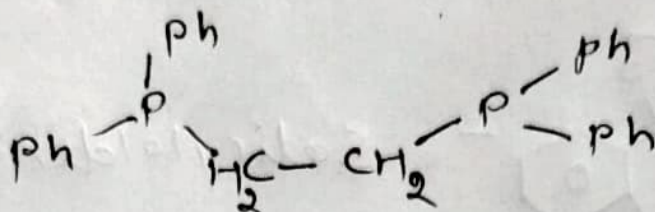
→ nacnac

N,N'-diphenyl-2,4-diiminato

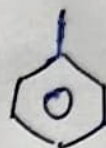


Q.3

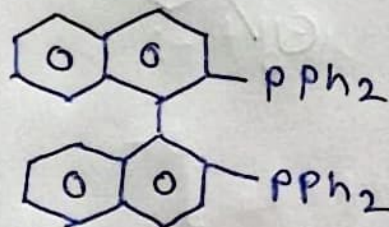
→ dppe :- ~~diphenyl~~  
1,2-bis(diphenylphosphino) ethane



Ph  $\equiv$

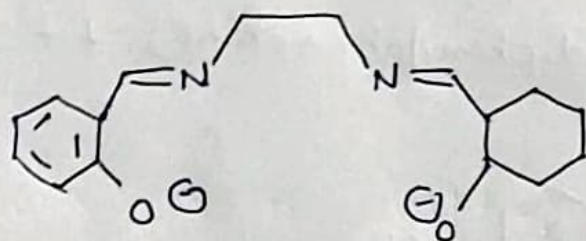
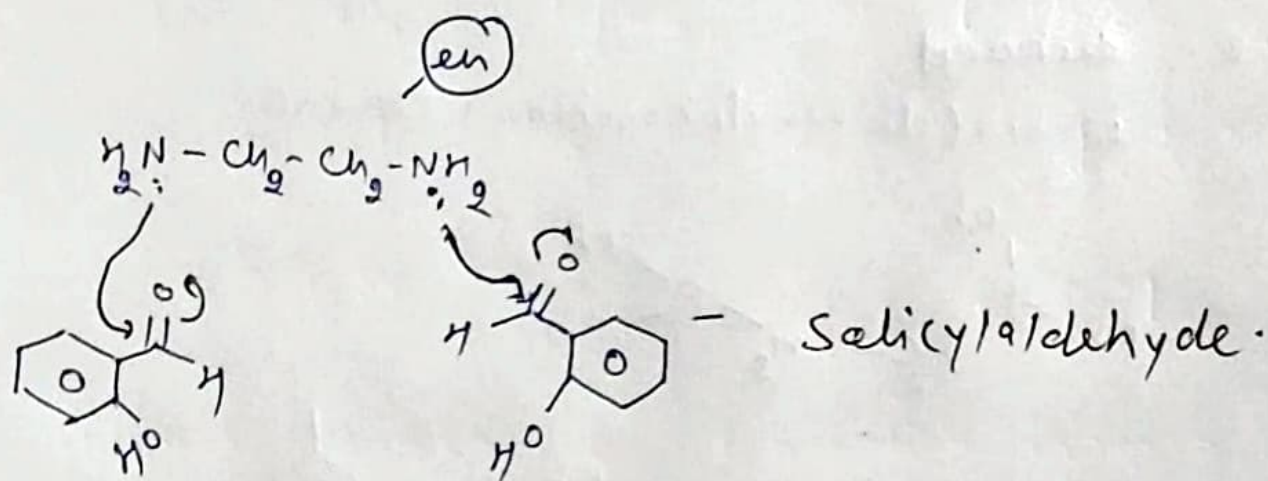


→ BINAP :- 2,2'-bis(diphenylphosphino)-1,1'-binaphthyl





Q.4 :-

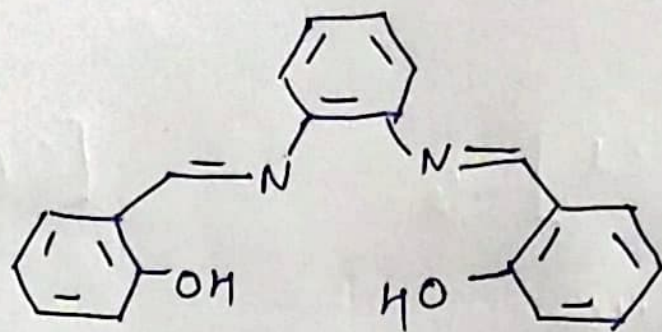


Salen

IUPAC

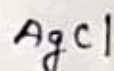
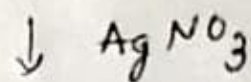
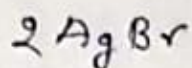
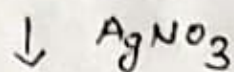
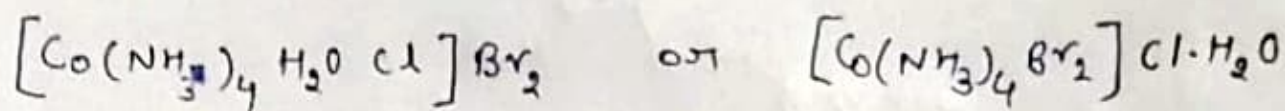
2,2'-ethylene bis-(nitri/omethylidene)-  
~~salen~~ - diphenoxide.

Q.5



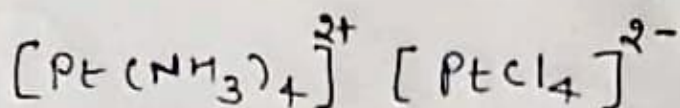
$H_2$ -Salen

Q. 6-



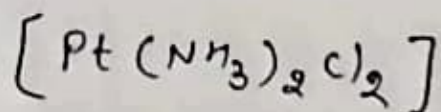
→ Hydrate isomer & Ionisation isomer.

Q. 7 magous green salt -:



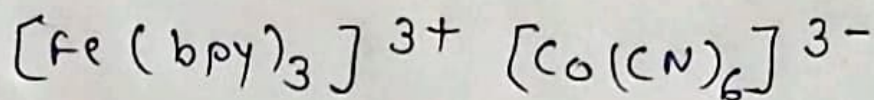
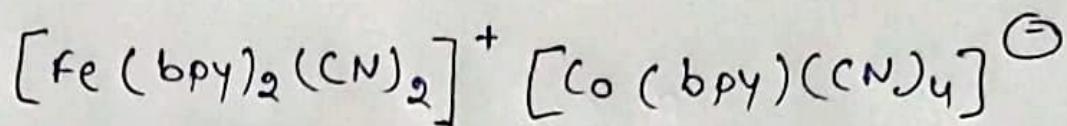
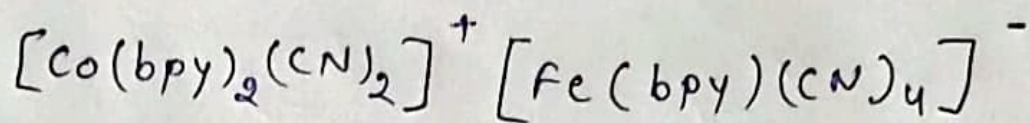
Coordination isomer -  $[\text{Pt}(\text{NH}_3)_3\text{Cl}][\text{PtCl}_3\text{NH}_3]$

Polymerisation isomer -  $\downarrow$

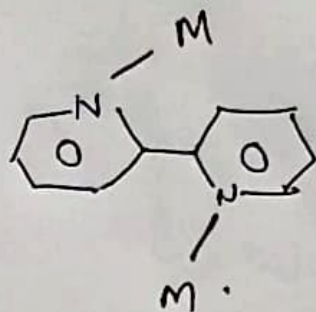
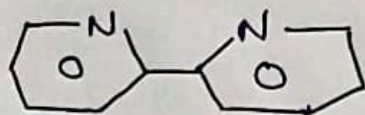


cis & trans.

Q.8



bpy =



- bridging mode.