

1) How many bridging carbonyl present in $Mn_2(CO)_{10}$?

Ans a) 0 b) 1 c) 2 d) 3
CO is π acid ligand and it ----- electrons of metal.

2) Ans a) donate b) accept c) not accept & donate d) none of these

4) How many bridging carbonyls are present in $[Co_2(CO)_8]$

Ans a) 0 b) 1 c) 2 d) 3
5) State whether $[Fe(CO)_5]$ Obeys EAN rule or not?

Ans a) Obeys b) Not Obeys c) other than two

6) In hydroformylation synthesis aldehyde formed from alkene has -----
- number of carbon atoms.

Ans a) one more b) same c) two more d) none of above

7) In Wacker process aldehyde formed from alkene has ----- number of carbon atoms.

Ans a) one more b) same c) two more d) none of above

8) State whether $[Co_2(CO)_8]$ follows 18 electron rule or not?

Ans a) Obeys b) Not Obeys c) other than two

9) State whether $[Mo(CO)_6]$ follows 18 electron rule or not?

Ans a) Obeys b) Not Obeys c) other than two

10) State whether $[Ni(CO)_4]$ follows 18 electron rule or not?

Ans a) Obeys b) Not Obeys c) other than two