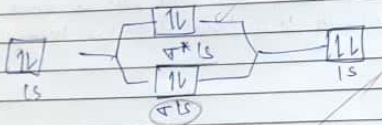
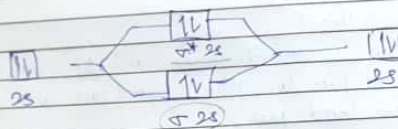
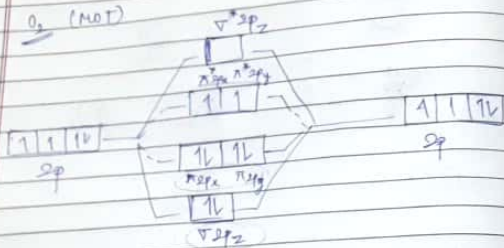
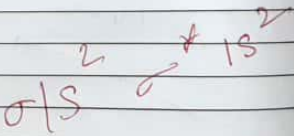


O₂ (MOT)

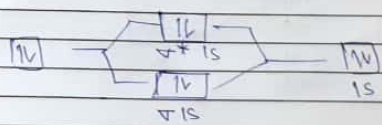
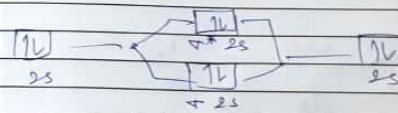
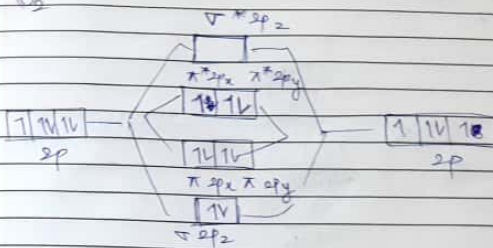


$$\text{Bond Order} = \frac{8 - 4}{2} = 2$$

paramagnetic



O₂



$$\text{Bond Order} = \frac{8 - 5}{2} = 1.5$$

paramagnetic