

Assignment, 2nd SEM

2020

C3:

1. Draw the MO Diagram of CO and why the dipole moment of CO is very low? Explain the ligating behavior of CO. 2+1+2

2. a) Following the MO concept explain the magnetic properties of O₂. If you add sequentially electron to O₂ how many maximum electrons could be accommodated? Explain the stability of species upon addition of electrons.

b) Explain the ligating behavior of NO. 3+2

SC