Unit-I (Atomic Structure)

I. One marks: (5×1 = 5)

1. de-broglie equation .....
2. The hybridisation of IF_7 molecule .....
3. The bond order of Nitrogen molecule .....
4. Intra molecular H-bonding present in .....
5. Dual character is explained by .....

II 3marks (5×3 = 15)

1. state Heisenberg's uncertainity principle.
2. Define Hybridisation.
3. Define bond order.
4. Define Molecular orbitals.
5. Write significance of negative electron energy.

III 5marks 6×5 = 30.

1. De-broglie equation.
2. Exposulates of molecular orbital theory.
3. Energy level diagram of N_2 molecule Explain.
4. Energy level diagram of O_2 molecule Explain.
5. Davison germer Experiment Explain.
6. Importance of Hydrogen bonding.