**Home Assignment-1**

**B.Sc. II Semester (Hon), Physical Chemistry**

1. Explain law of mass action taking suitable chemical reaction. Derive the relationship between Kp and Kc for the following reactions: Marks-5

a) N2 (g) +3H2 (g) ⟶2NH3 (g)

b) H2 (g) + I2 (g) ⇌2HI (g)

c) 2H2O (g) ⇌2H2O (g) +O2 (g)