

Date Planned : __ / __ / __	Daily Tutorial Sheet-4	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	JEE Advanced (Archive)	Exact Duration : _____

46. Nitrogen(I) oxide is produced by : ▶ (1989)
 (A) thermal decomposition of ammonium nitrate
 (B) disproportionation of N_2O_4
 (C) thermal decomposition of ammonium nitrite
 (D) interaction of hydroxylamine hydrochloride and nitrous acid
47. Write balanced equation for the reaction : Hypophosphorous acid is heated. (1989)
48. Write balanced equation for the reaction : Sodium bromate reacts with fluorine in presence of alkali. (1989)
49. Write balanced equation for the reaction : Sodium chlorate reacts with sulphur dioxide in dilute sulphuric acid medium. (1989)
50. Given reason : Phosphine has lower boiling point than ammonia. (1989)
51. Given reason : Orthophosphorous acid is not tribasic acid. (1989)
52. The compounds used as refrigerant are : (1990)
 (A) NH_3 (B) CCl_4 (C) CF_4 (D) CF_2Cl_2
53. Write down the resonance structures of nitrous oxide. ▶ (1990)
 OR
 Write the two resonance structures of N_2O that satisfy the octet rule.
54. Write balanced equation for the reaction : Preparation of phosphine from CaO and white phosphorus. (1990)
55. Write balanced equation for the reaction : Preparation of ammonium sulphate from gypsum, ammonia and carbon dioxide. (1990)
56. What happens when aqueous solution of sodium nitrate is heated with zinc dust and caustic soda solution ? (1990)
57. There is no S – S bond in : (1991)
 (A) $S_2O_4^{2-}$ (B) $S_2O_5^{2-}$ (C) $S_2O_3^{2-}$ (D) $S_2O_7^{2-}$
58. Give reason : Ammonium chloride is acidic in liquid ammonia solvent. (1991)
59. Write balanced equation for the reaction : Nitrogen is obtained in reaction of aqueous ammonia with potassium permanganate. ▶ (1991)
60. What happens when elemental phosphorus reacts with concentrated HNO_3 to give phosphoric acid ? (1991)