

Date Planned : __ / __ / __	Daily Tutorial Sheet-8	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Level-2	Exact Duration : _____

96. Match the Column :

Column-I		Column-II	
(A)	XeF ₆	(p)	Xe + (excess) F ₂
(B)	XeF ₄	(q)	Xe + F ₂ (1 : 2)
(C)	XeF ₂	(r)	Xe + F ₂ (1 : 5)
		(s)	Xe + F ₂ (1 : 20)

97. $\text{H}_2\text{PO}_2 \xrightarrow{\Delta} (\text{X}) + \text{PH}_3$; is :

- (A) Dehydration reaction (B) Oxidation reaction
(C) Disproportionation reaction (D) Dephosphorelation reaction

98. Concentrated nitric acid oxidise cane sugar to :

- (A) CO₂ and H₂O (B) CO and H₂O
(C) CO, CO₂ and H₂O (D) Oxalic acid and water

99. Liquid ammonia is used in refrigerators because :

- (A) It has high dipole movement (B) It has high solubility in water
(C) Of its basicity (D) It has high heat of evaporation

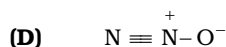
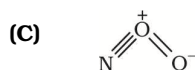
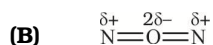
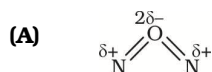
100. (NH₄)₂Cr₂O₇ on heating liberates a gas. The same gas will be obtained by :

- (A) Heating NH₄NO₂ (B) Heating NH₄NO₃
(C) Treating Mg₃N₂ with H₂O (D) Heating H₂O₂ on NaNO₂

101. Which one of the following oxides of nitrogen is solid ?

- (A) NO₂ (B) N₂O (C) N₂O₃ (D) N₂O₅

102. N₂O which is isoelectronic with CO₂ and N₃⁻, is best represented by :



103. If O₂ is removed from the formula of anhydride of HNO₂, then the formula of the resulting compound satisfies which of the following properties ?

- (A) It produces tears in eyes
(B) It supports combustion
(C) It is paramagnetic
(D) It cannot react with red hot copper

104. Ammonia, on reaction with hypochlorite anion, can form :

- (A) NO (B) NH_4Cl (C) N_2H_4 (D) HNO_2

105. Match the Column :



Column-I (Metal with HNO_3)		Column-II (Main product)	
(A)	Mg + very dil. HNO_3	(p)	NO
(B)	Zn + dil. HNO_3	(q)	H_2
(C)	Sn + dil. HNO_3	(r)	N_2O
(D)	Pb + dil. HNO_3	(s)	NH_4NO_3