91. Ionic hydrides are usually
(1) Good conductors of electricity in solid state (2) Stoichiometric compounds
(3) Volatile (4) Non-crystallineSol.

92. **Assertion :** H_2O_2 is not stored in glass bottles.
Reason : Alkali oxides present in glass catalyse the decomposition of H_2O_2
(1)If both the assertion and reason are true and reason explains the assertion
(2)If both the assertion and reason are true but reason does not explain the assertion
(3)If assertion is true but reason is false
(4)If assertion is false but reason in true

93. Which of the following acts as inorganic cation exchanger for removing hardness of water?
(1) RSO_3H (2) $Na_6P_6O_{18}$ (3) $NaAlSiO_4$ (4) $RNH_3^+OH^-$

94. The volume of O_2 liberated from 0.96 g of H_2O_2 at STP is
(1) 224.6 mL (2) 316.2 mL (3) 390.0 mL (4) 112.5 mL

95. Both cation and anion impurities can be removed from hard water by using
(1) Zeolites (2) Organic ion exchange resins
(3) Calgon (4) All of these

96. When same amount of zinc is treated separately with excess of sulphuric acid and excess of sodium hydroxide solution, the ratio of volumes of hydrogen evolved is
(1) 1 : 1 (2) 1 : 2 (3) 2 : 1 (4) 9 : 4

97. H_2O_2 restores the colour of old lead paintings, blackened by the action of H_2S gas by
(1) Converting PbO_2 *to* Pb (2) Oxidising PbS to $PbSO_4$
(3) Converting $PbCO_3$ *to* Pb (4) Oxidising $PbSO_3$ *to* $PbSO_4$

98.

List - I (compound)	List - II (form of water)
(1) $CuSO_4.5H_2O$	(A) Hydrogen bonded water
(2) $BaCl_2.2H_2O$	(B) Interstitial water
(3) $CrCl_3.6H_2O$	(C) Coordinated water

Correct match is
(1) A – 1 B–2 C – 3 (2) A – 2 B – 1 C – 3
(3) A – 3 B–2 C – 1 (4) A – 1 B – 3 C – 2

99. The catalyst used in the water-gas shift reaction is
(1) Sodium arsenite (2) Nickel
(3) Potassium permanganate (4) Iron chromate

100. The volume strength of 1.5 N H_2O_2 is
(1) 8.4 (2) 8.8 (3) 6.8 (4) 6.4