71. Which of the following hydrides is electron deficient?
(1) CH_4 (2) B_2H_6 (3) NaH (4) CaH_2

72. Hydrogen does not combine with
(1) Antimony (2) Sodium (3) Bismuth (4) Helium

73. Which of the following produces hydrolith with dihydrogen
(1) Mg (2) Al (3) Cu (4) Ca

74. The method used to remove temporary hardness of water is
(1) Calgon's method (2) Clark's method
(3) Ion - exchange method (4) Synthetic resins method

75. In lab H_2O_2 is prepared by
(1) Cold $H_2SO_4 + BaO_2$ (2) HCl + BaO_2
(3) Conc. $H_2SO_4 + Na_2O_2$ (4) H_2 + O_2

76. Interstitial hydride among the following.
(1) LiH (2) YbH (3) CaH_2 (4) H_2O

77. Match the processes/reactions listed in coloumn–I with the resultant product(s) listed in coloumn – II

Column – I	**Column – II**
(A)BeH_2	(p) Metallic hydride
(B)CH_4	(q) Electron rich hydride
(C)NH_3	(r) Electron precise hydride
(D)$LaH_{2.87}$	(s) Ionic hydride

(1) $A \rightarrow (s), B \rightarrow (r), C \rightarrow (q), D \rightarrow (p)$ (2) $A \rightarrow (s), B \rightarrow (p), C \rightarrow (q), D \rightarrow (r)$
(3) $A \rightarrow (p), B \rightarrow (r), C \rightarrow (s), D \rightarrow (q)$ (4) $A \rightarrow (q), B \rightarrow (r), C \rightarrow (p), D \rightarrow (s)$

78. **Assertion :** Decomposition of H_2O_2 is a disproportionation reaction.
Reason : H_2O_2 molecule simultaneously undergoes oxidation and reduction.
(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

79. Temporary hardness may be removed from water by adding
(1)$CaCO_3$ (2)$Ca(OH)_2$ (3)$CaSO_4$ (4)HCl

80. The structure of H_2O_2 is
(1) Open book like (2) Closed book like (3) Pyramidal (4) Linear