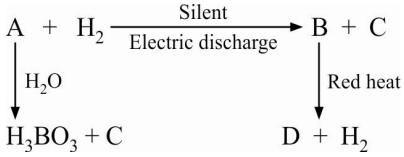
Date Planned : __ / __ / __	Daily Tutorial Sheet-12	Expected Duration : 30 Min
Actual Date of Attempt : __ / __ / __	Level-3	Exact Duration :_____

141. 

Identify correct statement.

(A) C is a weak Lewis acid **(B)** B is a weak Lewis base

(C) C is a strong acid **(D)** D reacts with NaOH to produce C

142. When B_2H_6 reacts with NaOH it produces a colourless combustible gas and another compound 'B' Select incorrect statement about 'B'.

(A) Its aqueous solution turns red litmus blue

(B) It shows anionic hydrolysis

(C) It shows cationic hydrolysis

(D) It can also be produced by the reaction of boron with NaOH

143. Amorphous boron is extracted from borax by following step

$$\text{Borax} \xrightarrow{(A)} H_3BO_3 \xrightarrow{\text{Heat}} B_2O_3 \xrightarrow{(B)} \text{Boron}$$

Then (A) and (B) are :

(A) H_2SO_4, CO **(B)** HCl, Carbon **(C)** H_2SO_4, Mg **(D)** HCl, Fe

144. The role of addition of Me_3SiCl during the hydrolysis followed by condensation of Me_2SiCl_2 is:

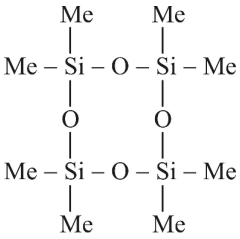
(A) To catalyte the reaction

(B) To terminate the chain and hence controlling the molecular weight

(C) For obtaining a proper cross linking

(D) All of the above

145. Given type of silicones are called [P]



[P] is prepared by controlled hydrolysis of [Q]. [P] & [Q] are respectively :

(A) Linear silicone, CH_3SiCl_3 **(B)** Branched silicone, $(CH_3)_3SiCl$

(C) Cyclic silicone, $(CH_3)_2SiCl_2$ **(D)** Cyclic silicone, CH_3SiCl_3

146. The silicates anion in the mineral kinoite is a chain of three SiO_4 tetrahedral, that share corners with adjacent tetrahedral. The charge of the silicates anion is :

(A) -4 **(B)** -8 **(C)** -6 **(D)** -2