



SMART TEST SERIES

www.notespk.com : info@notespk.com

Name:		Subject:	Chemistry-12
Roll # :		Unit(s):	3,
Class:	Inter Part-II	Test:	Type 2 - SQs Test - Marks=40
Date:		Time:	

SHORT QUESTIONS TEST

1- Write short answers to any 7 questions: (7x2=14)

- (i) Give chemistry of Borax bead test.
- (ii) Write formulas of colemanite and Bauxite.
- (iii) Write down the structure of CO and CO₂?
- (iv) Why is CO₂ a gas at room temperature? While SiO₂ is a solid?
- (v) Write four uses of sodium silicate?
- (vi) How weathering of potassium feldspar takes place? Give chemical equation also?
- (vii) What are silicones? Write their two uses?
- (viii) Liquid silicones are preferred over ordinary organic lubricants why?
- (ix) What are silicones, Give an example?
- (x) How semiconductors are used in Transistors?

2- Write short answers to any 7 questions: (7x2=14)

- (i) Why aqueous solution of Borax is alkaline in nature?
- (ii) Write the reactions of boric acid with (i) Ethyl alcohol (ii) NaOH.
- (iii) What is the method of commercial preparation of borax ?
- (iv) What is boric acid?
- (v) Give the names along with the formulas of three important ores of aluminium.
- (vi) How Borax is used as water softening agent?
- (vii) Give equation when Al₂O₃ is heated w/ NaOH solution.
- (viii) Write two points to show peculiar behaviour of carbon.
- (ix) Why CO₂ is non-polar in nature?
- (x) What is talc or soapstone? Give its uses?

3- Write short answers to any 6 questions: (6x2=12)

- (i) Write formulas of (i) Colemanite (ii) Cryolite.
- (ii) Write equations to show, how borax can be converted to orthoboric acid by HCl and H₂SO₄.
- (iii) Justify the solubility of borax changes with temperature.
- (iv) What is action of heat on orthoboric acid, H₃BO₃?
- (v) Write equations for the reactions of orthoboric acid with (a) Ethyl alcohol (b) Na₂CO₃
- (vi) Why boric acid can't be titrated by NaOH?
- (vii) Give any four uses of Aluminium.
- (viii) How does aluminum react with conc. HCl and H₂SO₄?
- (ix) Write formula of white lead and Write its one use.