



SMART TEST SERIES

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Name:		Subject:	Chemistry-12
Roll # :		Unit(s):	3,
Class:	Inter Part-II	Test:	Type 8 - Short Test (No Choice) - Marks=30
Date:		Time:	

Q.1 Circle the Correct Answers.

(6x1=6)

- Which is used in the leather industry?
(A) Borax (B) Boric acid (C) Boric oxide (D) Tetra Boric acid
- Borax has the chemical formula:
(A) KNO_3 (B) $NaNO_3$ (C) $Na_2B_4O_7 \cdot 10H_2O$ (D) $Na_2CO_3 \cdot H_2O$
- Aluminum oxide is:
(A) Acidic oxide (B) Basic oxide (C) Amphoteric oxide (D) None of these
- _____ metal is used in the Thermite process because of its reactivity:
(A) Iron (B) Copper (C) Aluminum (D) Zinc
- Which electronic configuration corresponds to an element of group III-A of the Periodic Table?
(A) $1s^2, 2s^2, 2p^6, 3s^2, 3p^1$ (B) $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 4s^6$ (C) $1s^2, 2s^2, 2p^6$
(D) $1s^2, 2s^2, 2p^6, 3s^2, 3p^3$
- Which of the following elements is not present abundantly in earth's crust?
(A) Silicon (B) Aluminum (C) Sodium (D) Oxygen

Q.2 Write short answers of the following questions.

(8x2=16)

- Write down formulas of. (i) Kaolin (Pottery clay) (ii) Zircon
- Write four uses of Borax?
- What is action of heat on orthoboric acid, H_3BO_3 ?
- Give the names along with the formulas of three important ores of aluminium.
- What are silicates?
- Describe the important uses of silicates.
- Discuss use of $PbCrO_4$ in paints?
- Write the names of four oxides of lead used as pigments.

NOTE: Attempt the long question.

(4+4=8)

- What are silicones? Write uses of Silicones?
- How and under what conditions does aluminium react with acids and alkalis and also write two chemical reaction for each case?