

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI-86**  
(For candidates admitted during the academic year 2011 – 12 and thereafter)  
**SUBJECT CODE: 11CH/MC/IC34**  
**B.Sc. DEGREE EXAMINATION, NOVEMBER 2013**  
**BRANCH IV- CHEMISTRY**  
**THIRD SEMESTER**

REG.NO .....

**COURSE : MAJOR CORE**

**PAPER : INORGANIC CHEMISTRY-II**

**TIME : 30 MINUTES**

**MAX.MARKS : 30**

**SECTION – A**

**ANSWER ON THE QUESTION PAPER ITSELF:**

**Answer all the questions**

**I Choose the correct answer:**

**(10x1= 10 marks)**

1. Which of the following compounds will form salt like hydrides?  
a) Ionic      b) Covalent      c) Interhalogen      d) Co-ordination compounds
2. Which of the following methods is used to extinguish fire due to Sodium,  
a) Water      b) Nitrogen gas  
c) Carbon dioxide      d) Dry chemical
3. The low density of alkali metals is due to which of the following  
a) Atomic numbers      b) Number of valence electrons  
c) Atomic size      d) Reactivity
4. Identify the theory which is used to explain the geometry of a molecule from the following.  
a) Atomic theory      b) VSEPR theory  
c) MO theory      d) Kinetic theory
5. Caro's acid is  
a)  $\text{H}_2\text{SO}_5$       b)  $\text{H}_2\text{S}_2\text{O}_7$       c)  $\text{H}_2\text{S}_2\text{O}_8$       d)  $\text{H}_2\text{S}_2\text{O}_6$
6. Gypsum is used in the preparation of cement to  
a) impart strength to cement  
b) reduce the strength of the cement  
c) slow down undesirable sudden cooling of cement  
d) make cement efflorescent
7. Hydrazoic acid is  
a)  $\text{N}_3\text{H}$       b)  $\text{NH}_2\text{OH}$       c)  $\text{N}_2\text{H}_4$       d)  $\text{H}_2\text{N}_2\text{O}_4$
8. The conversion of atmospheric nitrogen to nitrogen compounds is known as  
a) Solvay process      b) Nitrogen fixation      c) Electrolysis      d) Haber process
9.  $\text{Si}(\text{OH})_4$  belong to which of the following category  
a) Oxoacid      b) hydroxo acid      c) aqua acid      d) mineral acid
10. Identify in the following the alternative name for ore forming elements  
a) Halogens      b) alkali metals  
c) alkaline earth metals      d) chalcogens



