

MARKS: 20**CHEMISTRY****X STD****CHAPTER: Metals and Non – metals****Duration: 50 minutes**

- Q.1. Sodium, potassium and lithium are stored under oil. Give reason. (1 Mark)
- Q.2. What is aqua regia? (1 Mark)
- Q.3. Write equations for the reactions of
- (a) Calcium with water (b) Iron with steam (1 Mark)
- Q.4. What happens when metals combine with oxygen? (1 Mark)
- Q.5. Give an example of a metal which
- (a) is a liquid at room temperature (b) can be easily cut with a knife
- (c) is a poor conductor of heat (3 Marks)
- Q.6. How is Magnesium chloride formed by the transfer of electrons?
- Why does the solution of Magnesium chloride conduct electricity? (3 Marks)
- Q.7. Differentiate between metal and non – metal on the basis of their chemical properties. (5 Marks)
- Q.8. (a) Show the formation of Na_2O and MgO by transfer of electrons.
- (b) What are the ions present in the compounds Na_2O and MgO . (5 Marks)