

USWA COLLEGE ISLAMABAD

Entry Test

Class XI

Paper Chemistry

Time Allowed : 30 Minutes

Total Marks:30

Name : ----- Father's name:-----

Roll No .----- Group:-----

Q.1 Choose the correct answer i.e. A / B / C / D . Each part carries TWO mark. (5 X 2 = 10)

- i) The symbol for two ions are shown: ${}^{19}_9F^-$ ${}^{21}_{11}Na^+$. Which statement is correct?
- A) The fluoride ion contains more electrons than the sodium ion
 - B) The sodium ion contains more neutrons than the fluoride ion
 - C) The two ions contain the same number of electrons as each other
 - D) The two ions contain the same number of proton
- ii) In which compound does the element X have the highest oxidation state?
- A) X_2O
 - B) X_4O
 - C) XO_2
 - D) XO_4
- iii) Hydrogen can form both ionic and covalent compounds. With which element will hydrogen form an ionic compound?
- A) carbon
 - B) chlorine
 - C) nitrogen
 - D) sodium
- iv) A substance Q conducts electricity both when solid and molten. What is Q?
- A) alloy
 - B) hydrocarbon
 - C) salt
 - D) metal oxide
- v) Branch of chemistry that deals with carbon and compounds of carbon.
- A) inorganic
 - B) organic
 - C) analytical
 - D) biochemistry

Q.2 Answer the following : (5 X 3 = 15)

- i) Differentiate between galvanic and electrolytic cell.

ii) Define KE. What is the importance of KE?

iii) What are the advantages of Solvay process?

iv) Describe oxidation of alkene with acidified KMnO_4

v) Define isomerism. Draw the isomers of pentene.

