

Chemistry (Subjective)

(گروپ-I)

Time: 1:45 hours

Rwp-1-24

Marks : 48

SECTION-I

حصہ اول

2. Write short answers of any five parts from the following: (2x5=10)
- Why at equilibrium state, reaction does not stop?
 - Write two macroscopic characteristics of forward reaction.
 - Define functional group and give an example.
 - Write down the dot and cross formulae of propane and n-butane?
 - How are alkyl radicals formed? Give their general formula.
 - How molecular mass of successive members of homologous series differ from each other?
 - Write down two uses of ethene.
 - Why hydrocarbons are soluble in organic solvents?
3. Write short answers of any five parts from the following: (2x5=10)
- Write down two characteristic properties of bases.
 - Write down two limitations of Arrhenius concept.
 - Why the pure water is not strong electrolyte?
 - Draw the structure of glucose and fructose?
 - Give the general formula of Amino acid and Lipids.
 - Why is the water molecule polar?
 - Why is the use of detergents increasing day by day?
 - What do you mean by Fluorosis?
4. Write short answers of any five parts from the following: (2x5=10)
- How is the temperature of atmosphere maintained?
 - Why is CO_2 called a greenhouse gas?
 - How is acid rain produced?
 - What do you mean by Ozone hole?
 - What are the advantages of Solvay's process?
 - How $NaHCO_3$ is converted to Na_2CO_3 ?
 - Describe the formation of petroleum?
 - What do you mean by fraction of petroleum?

SECTION-II

حصہ دوم

- Note: Answer any two questions from the following: (9x2=18)
- Explain the Lewis concept of acid & base with suitable examples. (5)
 - Write down the macroscopic characteristics of a reverse reaction. (4)
 - Explain the reasons, why water is considered a universal solvent? (5)
 - Explain Oligosaccharides with examples. (4)
 - How is urea manufactured? Explain by flow sheet diagram. (5)
 - Write four uses of Acetylene. (4)