

Roll No _____

SSC-(P-II)- A/2024
(For All Sessions)

کیمسٹری (انشائیہ)

Chemistry (Subjective)

Time: 1:45 hours

(Group-II-گروپ-II)

Rwp-2-24

Marks : 48

SECTION-I

2. Write short answers of any five parts from the following: (2x5=10)
- Define irreversible reactions and give one example.
 - Find the units of Kc for the following reaction: $N_2(g) + 3H_2(g) \rightleftharpoons 2NH_3(g)$
 - What is vital force theory and how was it rejected by Wohler?
 - Name four different types of formulas of organic compounds.
 - What is an ester group? Write down the formula of ethyl acetate.
 - What are heterocyclic compounds? Give two examples.
 - Differentiate between saturated and unsaturated hydrocarbons.
 - Why are the alkanes called paraffins?
3. Write short answers of any five parts from the following: (2x5=10)
- What are mineral acids?
 - Why is a salt neutral? Explain with an example.
 - You are in need of an acidic salt, how will you prepare it?
 - How amino acids are bonded with each other?
 - What is the significance of vitamins?
 - What is heat capacity of water? Why is it important?
 - What are causes and effects of fluorosis?
 - Why are pesticides used?
4. Write short answers of any five parts from the following: (2x5=10)
- Differentiate between primary and secondary air pollutants.
 - Why does 75% of atmospheric mass lies within the troposphere?
 - What do you mean by acid rain?
 - What is difference between atmosphere and environment?
 - How roasting is carried out?
 - Give two advantages of Solvay's process?
 - What is blister copper?
 - What do you mean by anode mud?

SECTION-II

- Note: Answer any two questions from the following: (9x2=18)
5. (a) What is auto-ionization of water? How is it used to establish the P_H of water? (5)
- (b) Describe two possibilities of equilibrium with example of each. (4)
6. (a) Write the effects of water pollution. (5)
- (b) Describe the sources, uses and deficiency symptoms of fat soluble vitamins. (4)
7. (a) What is urea? Explain the importance of urea. (5)
- (b) Write any four uses of Acetylene. (4)