

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 What are colloidal solutions? Write about its types and properties.

Q.24 What is catalysis? Explain theory of catalysis.

Q.25 Briefly explain Le-Chatlier's principle.

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2nd Sem. / Textile Processing

Subject : Basics for Textile Chemistry

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Suspension have particle size between.

- a) 1A to 10A b) 10A to 2000A
- c) more than 2000 A d) None of these

Q.2 Lyophilic sols are

- a) solvent loving b) Solvent hating
- c) both a and b d) None of these

Q.3 Dispersion of finely divided liquid droplets in another liquid makes

- a) Emulsion b) Gels
- c) Solution d) None of these

- Q.4 Concentration can be expressed by
- a) gm/ltr b) molarity
- c) molality d) All of these
- Q.5 Positive catalyst _____ the rate of reaction.
- a) increase b) decrease
- c) no change d) None of these
- Q.6 At equilibrium concentration of reactants and product become.
- a) constant b) high
- c) low d) None of these

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 What is the function of soap?
- Q.8 Give any two ways of expressing concentration of solution.
- Q.9 What do you mean by rate of reaction?
- Q.10 Name types of detergents.

- Q.11 What do you mean by Aromatic compounds?
- Q.12 What is the function of catalyst in a reaction?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Briefly write about order of a reaction.
- Q.14 What are reversible reactions?
- Q.15 Write general formula of alkane and give two examples.
- Q.16 Briefly write about Tyndall Effect.
- Q.17 What do you understand by Protective colloid?
- Q.18 What is Gold Number?
- Q.19 Define law of mass action.
- Q.20 Write any two applications of Le-Chatlier's principle in industry.
- Q.21 What is equilibrium in a reaction?
- Q.22 Write characteristics of catalytic reactions.