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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 Colloidal solutions are also called

a) Sols b) True solution

c) both a and b d) None of these

Q.2 Lyophobic sols are

a) solvent loving b) solvent hating

c) both a and b d) none of these

Q.3 In case of sols Tyndal effect is

a) Mech, property b) Electrical property

c) Optical property d) None of these

Q.4 gm/ltr is the unit of

a) volume

b) concentration of solutions

Q.24 What is Enzyme catalysis? Explain its properties and mechanism.

Q.25 Briefly explain the concept of chemical equilibrium and its characteristics,

c) weight

d) none of these

Q.5 Negative catalyst _____ the rate of reaction.

a) increase b) decreases

c) no change d) none of these

Q.6 pH scale is between

a) 0-10 b) 1-14

c) 1-100 d) none of these

SECTION-B

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

Q.7 What is the function of detergent?

Q.8 Give any two ways of expressing concentration of solution.

Q.9 What do you mean by forward reaction?

Q.10 Name types of colloidal solutions.

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 1st order reaction.

Q.14 What do you mean by chemical equilibrium in reactions.

Q.15 Write general formula of Alkynes with two examples.

Q.16 Briefly write about Brownian effect.

Q.17 What do you understand by Arrhenius concept of acids.

Q.18 What is heterogeneous catalysis?

Q.19 What is Hardy-Schulz law?

Q.20 Write about acidic buffers?

Q.21 Write uses of alcohol and carboxylic acid?

Q.22 What about cleansing action of soaps?

SECTION-D

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

Q.23 Define pH of a solution. Explain construction and working of digital pH meter.