

SECTION-D

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

Q.23 Explain Cleansing action of Soaps and its chemical composition ?

Q.24 Write Chemical Formula of

- 1) Carboxylic acid
- 2) Phenol and give their uses ?

Q.25 Explain

- 1) Tyndall Effect
- 2) Electrical property of sol ?

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2nd Year / 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 Soaps can be used withwater?

- a) Hard
- b) Warm
- c) Cold
- d) Soft

Q.2 Phenomenon of scattering of light by the sol particles is called .

- a) Sound effect
- b) Tyndall effect
- c) light effect
- d) All of the above

Q.3 Retarders.....rate of reaction.

- a) Increases
- b) Decrease
- c) Do not change
- d) Keeps

Q.4 A.....solution is one which maintains the pH of the solution.

- a) Buffer
- b) Stock
- c) Alkaline
- d) Acidic

Q.5 Na_2CO_3 is a.....

- a) Acid
- b) Base
- c) Liquid
- d) Solid

Q.6 Lyophobic sols are also called Solvent...sols ?

- a) hating
- b) Hating
- c) Attracting
- d) Keeping

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

Q.7 Chemical Formula for Sulphuric Acid is ?

Q.8 pH above 9 are in nature ?

Q.9 Chemical equilibrium can be seen only for...system ?

Q.10 General Formula for phenols are?

Q.11 Alkali Release..... ion in water ?

Q.12 What are Exothermic reactions ?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

Q.13 Write mechanical properties of sol?

Q.14 Describe theory of catalysis ?

Q.15 Give difference between soap & detergent ?

Q.16 What are characteristics of catalytic reaction?

Q.17 Write application of Le-chateleir Principle ?

Q.18 Write application of colloids ?

Q.19 Explain gold number in colloids ?

Q.20 Why buffers are important in chemistry ?

Q.21 Differentiate between True solution and dispersion

Q.22 Write a short note on chemical equilibrium ?