

Q.24 Explain Cleansing action of Soaps and its chemical composition?

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Q.25 Explain

- a) Tyndall Effect
- b) Electrical property of sol?

**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 Soaps are suitable for \_\_\_\_\_ Water.

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

Q.2 The process 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 Positive catalyst \_\_\_\_\_ 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

(20)

(4)

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(1)

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Q.5 NaOH is a strong \_\_\_\_\_

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

Q.6 Lyophobic sols are also called Solvent \_\_\_\_\_  
(loving/hating)

- a) loving
- b) hating
- c) attracting
- d) keeping

### SECTION-B

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

Q.7 Chemical Formula for Acetic Acid is?

Q.8 pH below 7 are \_\_\_\_\_ in nature.

Q.9 Chemical equilibrium Can be seen only for \_\_\_\_\_ system?

Q.10 General Formula for alkenes are \_\_\_\_\_?

Q.11 Acid Release \_\_\_\_\_ ion in water?

Q.12 Particle Size between 1A to 10A is called \_\_\_\_\_ solution?

### SECTION-C

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

Q.13 Explain Mechanical properties of sol?

Q.14 Explain theory of catalysis?

Q.15 Write difference between Soap & detergent?

Q.16 What are characteristics of catalytic reaction?

Q.17 Write any four Application of Le-chateleir Principle?

Q.18 Write any five applications of colloids?

Q.19 Explain gold number?

Q.20 Write any five properties of alkanes?

Q.21 Explain concept of buffers?

Q.22 Explain the working of pH meter?

### SECTION-D

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

Q.23 Write chemical Formula of

- 1) Urea
- 2) Phenol and give their uses?