

- Q.31 Name different sources from where we get Fats and oils?
Q.32 Write different types of Detergents.
Q.33 Give any four Applications of Le-chateleir Principle
Q.34 Describe in detail theory of catalyst?
Q.35 Explain Electrical properties of sol?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Write chemical Formula of
1) Alocohols
2) Glycerine and write it's any five properties and uses
Q.37 Define Enzyme Catalyst. Give its mechanism and write its properties.
Q.38 Describe Cleansing action of Soaps and its chemical composition.

No. of Printed Pages : 4 182631/122631/032631
Roll No.

**3rd Sem / Textile Processing , Text Chem.
Subject:- Physical and Organic Chemistry
/ Basic Chemistry**

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 _____ solutions are intermediate between true solutions and suspension
a) basic b) acidic
c) colloidal d) none of them
- Q.2 The continuous rapid zig-zag movement executed by a colloidal particle in the dispersion medium is called
a) continuous movement
b) moon walk
c) zigzag walk
d) Brownian movement
- Q.3 Soaps are suitable not in _____ Water
a) warm b) ice
c) hard d) none of them
- Q.4 Equilibrium can be attained in an _____ vessel.
a) air b) water
c) closed d) oil
- Q.5 Sugar in water is _____ solution.

- a) basic b) True
 c) acidic d) none of them
Q.6 _____ are non-bio degradable
 a) alkalis b) Detergents
 c) acids d) bases
Q.7 A reaction which cannot go in forward and backward direction simultaneously is called a
 a) reaction b) dyeing
 c) printing d) Irreversible reaction
Q.8 A _____ does not change its mass and chemical composition at the end of reaction
 a) electricity b) catalyst
 c) bulb d) water
Q.9 A _____ solution is one which maintains the pH of the solution.
 a) buffer solution b) colloidal
 c) acidic solution d) none of them
Q.10 Reaction involve substitution of H-atom of alkanes by chlorine is called
 a) Bromination b) chlorination
 c) hydrogenation d) printing

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11** The process of scattering of light by the sol particles is called _____. (light effect/ Tyndall effect)
Q.12 In Water in oil the Large medium is _____. (water/ Oil)

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- Q.13** Process of addition of hydrogen in unsaturated compound is called _____. (Rising / Hydrogenation)
Q.14 Chemicals on the right side of reaction are called _____. (Acidic/ products)
Q.15 In Exothermic reactions Heat releases on _____ side. (product/Reactant)
Q.16 _____ is Unsaturated Hydrocarbon. (Alkane / Alkyne)
Q.17 Draw chemical structure of naphthalene
Q.18 Structure of Ethene is _____.
Q.19 Chemical Formula for Hydrochloric acid is _____. (H₂SO₄ / HCl)
Q.20 Lyophilic sols are also called Solvent _____ (loving/hating)

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21** What is Tyndall effect in colloidal system?
Q.22 Differentiate between Soaps and detergents ?
Q.23 What is Solute and Solvent in solutions.
Q.24 Define Emulsions and its types.
Q.25 Give manufacturing reaction of soap.
Q.26 Define catalysts and give its types.
Q.27 Explain hardy-Schlz Law in coagulation of colloid?
Q.28 Explain Lewis Concept of acid & bases with examples.
Q.29 What are Alkanes explain with diagram.
Q.30 Write Halogenation Reaction in alkanes.

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