

Q.25 Write down the mass & charges of electron, Proton & Neutron.

Q.26 Explain Electrolytes and its types.

Q.27 Write down the characteristics of buffer.

Q.28 What is the difference between hard and soft water.

Q.29 Write about the Valence bond theory.

Q.30 What is emulsions. and write any two application of it.

Q.31 Classify the matter.

Q.32 Write down the characteristics of solution.

Q.33 Write a short note on cleaning acting of soap.

Q.34 Explain distillation process for purification of water.

Q.35 Explain Acid Base titration.

SECTION-D

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

Q.36 Explain the process of electrolysis with its application.

Q.37 Define Solution. Explain the types of Solution.

Q.38 Define Hard water. Write the process of purification of hard water.

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Roll No.

1st Sem / MLT Subject:- Basic Chemistry

Time : 3Hrs.

M.M. : 100

SECTION-A

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

Q.1 Atom is the _____ Particle of an element.

- a) Largest b) Biggest
- c) Smallest d) None of above

Q.2 Process of attracting & retaining the molecules of a substance on surface is called _____

- a) Absorption b) Adsorption
- c) Electrolysis d) None of above

Q.3 _____ substance made from only one type of substance is called

- a) Matter b) Element
- c) Mixture d) All of above

Q.4 Water which contains salts of calcium & magnesium is called _____

- a) Soft Water b) Hard Water
- c) Distilled water d) None of above

Q.5 A mixture made by combining two liquids that normally do not mix is called

- a) Emulsion b) Gel
- c) Colloid d) None of above

Q.6 SI unit of Time is

- a) Minute b) Second
- c) Hour d) All of above

Q.7 Process of coating an inferior cheap metal with superior metal is called

- a) Conductor b) Insulator
- c) Electroplating d) Electrolysis

Q.8 Material which allow electricity to pass through them is called _____

- a) Conductor b) Insulator
- c) Both a & b d) None of above

Q.9 SI unit stands for _____

- a) Specific International b) Standard Integral
- c) System international d) None of above

Q.10 Symbolic representations of a chemical compound is called its _____

- a) Mass b) Formulae
- c) Molecular weight d) None of above

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Draw the pH scale

Q.12 Define Atom.

Q.13 Define Neutralization

Q.14 What do you mean by colloidal state.

Q.15 What is Adsorption.

Q.16 What is Reduction.

Q.17 Define Conductors

Q.18 Define Formula.

Q.19 Write down the SI unit of Time.

Q.20 Give two examples of metals

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Example Neutralization.

Q.22 Explain Acid Base titration.

Q.23 Classify adsorption.

Q.24 Explain types of Equilibrium.