Chemistri GE Theory Sem-I 2015-18 to 2019-22

Answer any two

1. Write a short note on the following

   (a) Viscosity

   (b)Maxwell distribution Law

2. State & explain Vander Waals equation.

3. Define the following

   (a) pH

   (b) Common ion effect

   (c) Solubility product

GE – Practical SEM – I

Answer any two

1. Determine the surface tension by drop method.

2. Determine the Viscosity of the given aqueous solution.

Answer any two

1. Write short notes on Hybridization.

2. Explain

   (a) Sigma bond

   (b) Pi bond

3. What do you mean by

   (a) Entropy

   (b) Reversible & Irreversible rk.

   (c) Isothermal & Adiabic rk

4. Explain the following term

   (a) Entropy

   (b) 2nd Law of thermodynamics

   (c) Le Chatelier Principle.

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Chemistri GE Theory Sem-II 2015-18 to 2019-22

1.Determination of heat of neutralization of HCl with NaOH.   (10)

                                    OR

Purification of Organic Compound by Crystallization.

2.Class Record   (5)

3.Viva Voice   (5)

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Chemistri GE Theory Sem-III 2015-18 to 2019-22

Answer any two

1. Define Phase, no. of Components & Degree

2. State and derive Gibbs's Phase rule thermodynamically.

3. State Neaust distribution law.

4. write notes on

(a) Knoblauch Law

(b) Electrode Potential

GE(Lab)

Answer any one

1. Detect the extra elements in the given Organic Compound.

2. Detect the Functional group of the given Organic Compound.

Note book

Viva Voice

Chemistri **GE Theory** Sem-IV 2015-18 to 2019-22

Answer any two

Q. What are Ideal and Real Gases?

Q. Write a notes on inert pair effect?

Q. How hydrides are classified?

B.Sc. Sem IV GE Practical

Q. Analysis the given inorganic compound contain two anions & two captions.

Q. Note book

Viva voice