

**ANNADA COLLEGE, HAZARIBAG**

**SEM-1 to SEM-4 Special Generic Elective chemistry internal examination question for old student**

All students are requested to submit assignment in a close envelope with name, roll no., registration no., registration year, session, core paper, and other.

**Sem-1: Q1. Write note on**

(a) Bohr's theory and its limitations, (b) Quantum numbers, (c) VSEPR theory, (d) Electromeric Effect.

**Sem-2: Q2. Write note on**

(a) Kirchoff's equation, (b) Le Chatelier's principle, (c) Degree of hydrolysis and pH of salt (weak acid and strong base), (d) Buffer solution

**Sem-3: Q3. Write note on**

(a) Degrees of freedom in phase rule, (b) Kohlrausch law, (c) Nernst equation, (d) Carbylamine test.

**Sem-4: Q4. Write note on**

(a) Postulates of Kinetic theory of gas, (b) critical phenomena, (c) first order reaction, (d) Arrhenius equation.