

Pramukh Swami Science & H.D. Patel Arts College, Kadi

Bachelor of Vocation Pharmaceutical Chemistry Semester- II
Internal Examination, March-2019,
(PC-212) Physical Chemistry

Time: 2 hours 26/03/2019 Total Marks: 60

Que-1. Answer any 12 questions. Each question carries 1 mark [12]

1. What is system?
2. What is Internal Energy?
3. What is molecularity?
4. Define order of reaction.
5. What is rate of reaction?
6. Define crystalline and amorphous solid.
7. What is entropy?
8. Explain molarity.
9. What is solid?
10. What is pseudo-unimolecular reaction?
11. Define- Adsorption
12. What is adsorbate?

Que.2. Answer any five questions. Each question carries 4 marks [20]

1. Explain the First law of thermodynamics.
2. Explain the system and its type.
3. Explain Difference between Physical and chemical adsorption.
4. Explain FCC structure.
5. Explain the BCC structure.
6. Write kinetic theory of gases.

7. Explain the freudlich isotherm.

Que.3. Answer any four questions. Each question carries 7 marks [28]

1. Explain the Phase rule.
2. What is process? Explain its type.
3. Explain second law of thermodynamics.
4. Explain the first order reaction.
5. Explain difference between crystalline and amorphous.
6. Explain ideal gas equation.