

Question Bank (G scheme)

Name of subject: **FUNDAMENTAL OF CHEMICAL ENGINEERING** Unit Test :II

Subject code: 17206

Course : CH/ME

Semester: II

Chapter 3(weightage=12)

3 marks question

1. Explain with example Esterification
2. What in nitration reaction? Write down the reaction involved.
3. Explain with chemical reaction sulfonation.
4. What is nitrating mixture? What is its use?

4 marks question

5. Explain oxidation and reduction with chemical reactions
6. What is cracking? Write down a reaction for the same.
7. Explain hydration reaction with example
8. Explain hydrogenation reaction with example
9. Explain chlorination in detail.

Chapter 4(weightage=16)

1. Define % conversion and % yield
2. Write down the chemical reactions involved in the manufacture of nitric acid.
3. Explain flow diagram.

4 marks question

4. Draw a flow sheet for the manufacture of sulphuric acid.
5. Explain the process description for the manufacture of sulphuric acid.
6. Draw a flow sheet for the manufacture of nitric acid.
7. Explain the process description for the manufacture of nitric acid.

8. Write down the chemical reactions involved in the manufacture of sulphuric acid.
9. Give any four uses of sulfuric acid

Chapter 5(weightage=22)

3 marks question

1. Differentiate between density and specific gravity of a substance.
2. Define viscosity of liquid. Give its unit. Name the equipment used to find out viscosity of liquid.
3. Name the protective devices used for a)face b) eyes c)head

4 marks question

4. Explain the construction of rotameter with a neat labeled diagram.
5. With a neat diagram explain the working of mercury thermometer
6. With a neat diagram explain the construction and working of U tube manometer.
7. Explain the construction of mercury thermometer.
8. Explain the working of Float and tape method.