

Question Bank (G scheme)

Name of subject: **Chemical Process Technology-2**

Subject code:17427

Semester: IV

Unit Test :I

Course : SYCH

Chapter -1. Alcohol (16 marks)

1. Name two alcohols with molecular formula. Write down raw material required for manufacturing of ethanol.(3)
2. Explain the process for manufacturing of ethanol from corn.(3)
3. Draw flow diagram for the manufacturing of ethanol from corn. Write down the reactions involved.(3)
4. Explain the process for manufacturing of ethanol from molasses.(3)
5. Draw flow diagram for the manufacturing of ethanol from molasses. Write down the reactions involved.(4)
6. Explain the process for manufacturing of Acetic Acid using Ethanol.(4)
7. Draw flow diagram for the manufacturing of Acetic Acid using ethanol. Write down the reactions involved.(4)
8. Write the uses of ethanol and Acetic Acid (4 Each)(4)
9. Explain Quick-Vinegar process.(4)
10. Explain Manufacturing process of Ethyl Acetate.(4)
11. Explain Manufacturing process of Butanol with reactions.(4)

Chapter-2. Paint (12 marks)

1. List raw materials used for paint. Explain hiding power of paint. How practically it is calculated?(3)
2. Explain manufacturing of paint with flow diagram.(4)
3. Explain functions of constituents used in the paints.(3)
4. Explain in brief about varnish.(3)
5. Explain in brief about lacquers.(3)

Chapter-3 Oil , Soap and Detergent (20 marks)

1. How edible oil is different from crude oil? Name six edible oils.(3)
2. Define: - 1) Acid Value2) Saponification number3) Iodine Value(3)
3. Draw process flow diagram for solvent extraction process.(3)
4. Explain the manufacturing process of oil.(4)
5. Explain the hydrogenation process of oil.(4)
6. Draw process flow diagram for hydrogenation of oil with reactions.(4)
7. Explain cleansing action of soap.(4)
8. Explain manufacture of soap.(4)
9. Explain manufacture of detergent.(4)