

Dr. S. S. Bhatnagar University Institute of Chemical Engineering and Technology,
Panjab University, Chandigarh
1st Mid-Term Exam

Class: M.Sc 1st year

Subject: Chemical Technology

Duration: 1 hour

Total marks: 30

Instruction:

- Answer all questions.
- Keep answers short and to the point

1. Name the different kinds of pulping process processes and explain in brief. (10)

2. Answer the following:
 - a. Draw flow process diagram for the manufacturing of cottonseed oil (4)
 - b. Explain the winterization process of treatment of oil. (2)
 - c. Name and define (in 2 lines) the difference steps used in treatment of vegetable oil (4)

3. Answer the following:
 - a. How long sugarcane be stored after cutting and before processing and why? (2.5)
 - b. What is bagasse and what is its major use? (2.5)
 - c. Name the raw materials of detergent manufacturing process. (2.5)
 - d. Which is the major byproduct of soap manufacturing process and what are its uses (2.5)