

- Q.20 What is need and importance of stock preparation in paper making process?
- Q.21 Discuss need and importance of thickeners used for stock preparation in brief?
- Q.22 Explain the concept of pulp blending in brief?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 What is freeness? Describe the equipment used for measurement of freeness of pulp in detail?
- Q.24 Describe the stock preparation system in detail with the help of a neat process flow diagram?
- Q.25 Describe the construction and working of the conical refiner in detail with the help of a neat diagrams?

No. of Printed Pages : 4

220635

Roll No.

3rd Sem / Branch : Chemical (Pulp & Paper)

Sub.: Stock Preparation - I

Time : 3Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which of the following operation represent dispersion all the separated fibres in water?
- a) Slushing b) Sheeting
- c) Wetting d) Mashing
- Q.2 Which of the following property measure that how rapidly water can drain from a diluted fibre?
- a) Freeness b) Consistency
- c) Fidelity d) Frequency
- Q.3 Which of the following represent the interface between the pulp mill and the paper making machine?
- a) Stew preparation b) Dew preparation
- c) Stock preparation d) Stall preparation

- Q.4 What is the effect of beating operation on the quality of pulp?
- Its density decreases
 - Its density increases
 - Has no effect on density
 - Has no effect on any property
- Q.5 Which of the following machines is mainly used for secondary fibre pulping?
- Hydrapulper
 - Pitcher
 - Save all
 - Thickener
- Q.6 Which of the following property has a great influence on the swelling of the fibre and liquid permeability of the paper?
- Freeness
 - Consistency
 - Wettability
 - Brightness

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 What is function of Refiner Chest?
- Q.8 Define the pulp?

- Q.9 Write the name of any one type of agitator used in paper industry?
- Q.10 What is hydrapulper?
- Q.11 Write the full form of ^{0}CSF ?
- Q.12 Why CaCO_3 is used in stock preparation in paper?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What is the difference between consistency & freeness?
- Q.14 Describe the working of any one save all used in the paper industry?
- Q.15 Discuss the theory of beating in brief?
- Q.16 Explain the significance of consistency control in brief?
- Q.17 What are different variables affecting the beating and refining?
- Q.18 Explain the de-zurik consistency regulator in brief?
- Q.19 Discuss the effect of refining on the fibre characteristics in brief?