

Section-D

Note: Long answer questions. Attempt any two questions out of three Questions. (2x10=20)

- Q.36 Classify beaters & refiners. Explain DDR with suitable diagram.
- Q.37 Explain concept of consistency & freeness of pulp in detail.
- Q.38 Write short note on any two of the following.
- (a) Common terms used in stock preparation
 - (b) Pulp blending
 - (c) Thickener
 - (d) Advantages of Refining over Beating

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Roll No.

4th Sem.

Branch : P & P

Subject : Stock Preparation-I

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 Stock (fibrous material) is prepared by which of the following process
- a) Beating & Refining b) Beating & Extraction
 - c) Extraction & Refining d) None
- Q.2 What is the effect of beating on fiber?
- a) Increasing fiber area b) Decreasing fiber area
 - c) No change in fiber area d) None
- Q.3 Which of the following is not a filler used in paper?
- a) CaCO_3 b) TiO_2
 - c) NaOH d) None
- Q.4 Helical screw agitator is used for _____
- a) To produce electricity b) To mix pulp
 - c) To mix chips d) None
- Q.5 Choose the purpose of thickener
- a) To decrease consistency b) To increase consistency
 - c) To increase water d) None

- Q.6 What is hydropulper?
 a) Cutter b) Beater
 c) Agitator d) None
- Q.7 Expand the term OD.
 a) Over draft b) Over dry
 c) Over day d) Oven dry
- Q.8 Higher consistency of pulping in Beating means
 a) Higher fibrillation b) Lower fibrillation
 c) No fibrillation d) None
- Q.9 Where waste paper is produced?
 a) Beating b) Digester
 c) Hydropulper d) Refining
- Q.10 Select any one type of beater
 a) Drum Beater b) Vibrating Beater
 c) Norman Beater d) Hollander Beater

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 An unbeaten pulp has a low density (True/False)
- Q.12 Name any one term used in stock preparation.
- Q.13 Write any one effect of consistency in Beating.
- Q.14 Expand CSF.
- Q.15 Write the purpose of de-zurik.
- Q.16 What is the purpose of refining of pulp?

- Q.17 Name any one type of chest used in stock preparation.
- Q.18 What is the advantage of using PFI mill?
- Q.19 Write any one use of potcher.
- Q.20 Why thickener are used?

Section-C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions. (12x5=60)

- Q.21 What is the importance of sock preparation?
- Q.22 Explain the scope of stock preparation section.
- Q.23 Write a note on stock preparation section.
- Q.24 Classify the agitator. Explain any one with neat sketch
- Q.25 Draw a neat diagram of wide angle refiner.
- Q.26 What do you mean by wetness of pulp?
- Q.27 What is consistency?
- Q.28 Explain the term fibrillation.
- Q.29 Describe stock proportioning system.
- Q.30 Describe the basic function of hydropulper.
- Q.31 What is the utility of potcher in stock preparation?
- Q.32 List any five types of save alls.
- Q.33 What are the important variable for Beating & Refining of pulp?
- Q.34 Differentiate batch & continuous beating process.
- Q.35 How hemicellulose is suitable for Beating & Refining of pulp?