

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 hydrapulper?
 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) Hydrapulper 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 stock 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 hydrapulper.
 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?