

- Q.33 Calculate the head required in head box if a paper machine running at 435 m/min.
- Q.34 Discuss briefly sheet transfer operation.
- Q.35 Explain press felt treatment.

SECTION-D

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

- Q.36 Calculate production of paper in ton per day if paper machine is running at 250 m/min producing paper of 45gsm & deckle of 3.5 m?
- Q.37 Explain in detail paper machine wire changing method.
- Q.38 Write short note on any two of the following
- Modern fourdrinier paper machine
 - Theory of mechanism of wet web pressing
 - Utility of cylinder mold machine
 - Chest volume

No. of Printed Pages : 4
Roll No.

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4th Sem.
Branch : P & P
Subject : Paper Making-I

Time : 3 Hrs.

M.M. : 100

Section-A

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

- Q.1 On which principles screen is based?
- Size
 - Shape
 - Density
 - All of the above
- Q.2 What is the consistency of pulp in head box?
- 0.1-1%
 - 2-3%
 - 3-4%
 - 4-5%
- Q.3 Consistency of pulp is expressed in ____.
- Mole fraction
 - Percentage
 - Mass fraction
 - None
- Q.4 Choose the equipment lie between distributor & slice.
- Head Box
 - Table roll
 - Couch roll
 - Breast roll
- Q.5 How much vacuum is kept in suction box?
- 1-4 inch hg
 - 5-8 inch hg
 - 9-12 inch hg
 - None

- Q.6 Name of equipment used to clean stock on the basis of density.
- a) Centric leaner b) Pressure screen
c) Refiner d) Beater
- Q.7 Two sidedness in paper is caused by _____
- a) Couch roll b) Breast roll
c) Table roll d) Suction box
- Q.8 Choose the unit of speed of paper machine.
- a) Kg/m b) m/sec
c) M³/sec d) Gram/m
- Q.9 Which roll of wire part of paper machine results in water mark on paper web?
- a) Breast roll b) Couch roll
c) Dandy roll d) Table roll
- Q.10 Dryness of paper web after pressing is _____.
a) 15% b) 25%
c) 35% d) 45%

SECTION-B

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

- Q.11 Name any one type of head box.
- Q.12 Define mesh no.
- Q.13 What is two sidedness of paper?

- Q.14 Write the name of any one accessories of wire part.
- Q.15 Which chemical is recovered in chemical recovery section of pulp & Paper industry?
- Q.16 Write any one type of vacuum pump.
- Q.17 What is the role of presses?
- Q.18 Mention any one duty of machine tender.
- Q.19 Write any one press section variables.
- Q.20 What is the function of guide roll?

SECTION-C

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

- Q.21 Write a note on working of plain press.
- Q.22 Classify approach flow system.
- Q.23 Explain the term drainage on the fourdrinier machine.
- Q.24 Briefly describe the twin wire system.
- Q.25 What is the significance of back water system?
- Q.26 Express the duties of machine tender.
- Q.27 Give the uses of Nash type vacuum pump.
- Q.28 What is crowning?
- Q.29 Define press felt conditioning.
- Q.30 Explain briefly working of centricleaner.
- Q.31 Write a short note on protection of multilayer boards.
- Q.32 What are the causes of sheet crushing?