

- Q.31 Discuss types of Press arrangement briefly.
- Q.32 Why trimming is required on paper machine? Explain.
- Q.33 Name sheet transfer operations Discuss them briefly.
- Q.34 Name various types of approach flow systems. Explain briefly anyone.
- Q.35 Explain briefly working of twin vertical sheet formation system.

Section-D

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

- Q.36 Write a short note on
- Theory and mechanism of wet web pressing operation
 - Sequence of wire part operation
- Q.37 Calculate production of paper in ton per day if paper machine is running at 250 m/min producing paper of 45gsm and deckle of 3.5m.
- Q.38 Name various accessories of wire part of paper machine. Discuss each accessory in detail with diagrams.

No. of Printed Pages : 4
Roll No.

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

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 pH of solution is _____ of logarithmic of hydrogen ion concentration.
- Negative
 - Positive
 - Addition
 - None of these
- Q.2 Consistency of pulp slurry is expressed in
- Mole fraction
 - Mass fraction
 - Percentage
 - Percentile
- Q.3 pH of white water
- 7
 - more than 7
 - Less than 7
 - None of these
- Q.4 Name of the equipment lie between distributor and slice
- Head Box
 - Couch Roll
 - Table Roll
 - Breast Roll
- Q.5 Dryness in paper web is expressed in
- Mole %
 - %
 - Weight fraction
 - None of these

- Q.6 Name types of presses
 a) Plain press b) Suction press
 c) Both of these d) None of these
- Q.7 Fillers and loading materials in paper are _____ materials
 a) Inorganic b) Organic
 c) Both of these d) None of these
- Q.8 Vacuum is suction box is
 a) 15-18 inch Hg b) 20-22 inch Hg
 c) 5-8 inch Hg d) 11-12 inch Hg
- Q.9 Unit of Deckle of paper is
 a) Meter b) Kg
 c) Newton d) Joule
- Q.10 Name of equipment use of clean stock on the basis of size
 a) Centri cleaner b) Pressure Screen
 c) Both of these d) None of these

Section-B

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

- Q.11 Calculate pulp consistency if 350 ml of pulp slurry contains 35gm oven dried pulp.
- Q.12 Name types of Headbox.

- Q.13 Define Basis weight of paper.
- Q.14 Write Functions of Dandy roll.
- Q.15 Write unit of vacuum.
- Q.16 Define Mesh Number.
- Q.17 Write functions of suction press.
- Q.18 Define two sidedness of paper.
- Q.19 Name the instrument used for measuring Basis weight of paper.
- Q.20 What is crowning?

Section-C

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

- Q.21 Describe briefly working of Plain Press.
- Q.22 Explain briefly working of Pressure screen.
- Q.23 Write short note on Nash Type pump.
- Q.24 Discuss back water system.
- Q.25 Write duties of machine tender.
- Q.26 Explain working operation of cylinder mild machine.
- Q.27 What are causes of sheet crushing.
- Q.28 A paper machine running at 725 m per minute calculate the head required in head box.
- Q.29 Explain press felt treatment.
- Q.30 Write short note on open head box.