

- Q.25 Discuss any one paper machine wire changing method
- Q.26 Write significance of back water system
- Q.27 Describe briefly working of twin wire machine
- Q.28 Write short note on protection of multilayers boards
- Q.29 Name press section variables. Discuss them
- Q.30 Write short note on close head box
- Q.31 Discuss trimming on paper machine
- Q.32 Write causes of sheet crushing
- Q.33 Explain briefly sheet transfer operations
- Q.34 A paper machine running at 435m per minute calculate the head required in head box
- Q.35 Explain briefly working of cylinder mold machine

SECTION-D

Note: Long answer type 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 300m/min producing paper of 35gsm and deckle of 3.2 m
- Q.37 List various accessories of wire part of paper machine. Explain each in detail.
- Q.38 Write a short note on
- press felt treatment and conditioning
 - Duties of machine tender

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4th Sem / P & P Subject:- Paper Making - I

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Formula of jet velocity
- $(2gh)^{1/2}$
 - $gh^{1/2}$
 - at
 - none of these
- Q.2 Types of head box
- open type
 - close type
 - both of these
 - none of these
- Q.3 Unit of basis weight of paper
- Gram/inch
 - gram/meter square
 - meter
 - kg
- Q.4 Two sidedness in paper is caused by
- Suction box
 - couch roll
 - table roll
 - breast roll
- Q.5 The _____ extends from machine chest to the head box slice

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SECTION-B

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

- Q.11 Name of equipment lie between the distributor and slice
 - Q.12 Calculate pulp consistency if 150 ml of pulp slurry contains 30gm oven dried pulp
 - Q.13 Expand GSM
 - Q.14 Write Functions of table roll
 - Q.15 Write formula of pulp consistency
 - Q.16 Define crowning
 - Q.17 Name types of slice
 - Q.18 Name three drainage elements of wire part of paper machine
 - Q.19 Write functions of pressure screen
 - Q.20 What is mesh number

SECTION-C

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

- Q.21 Describe briefly working of suction press
 - Q.22 Explain briefly working of centri cleaner
 - Q.23 Write short note on turbo compressor
 - Q.24 Write differences between closed and open headbox