

- 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

No. of Printed Pages : 4  
Roll No. ....

180646/120646/30654

#### 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

- a) Screen system
  - b) approach flow system
  - c) presses
  - d) none of these
- Q.6 Unit of speed of paper machine
- a) kg/m                              b) m<sup>3</sup>/sec
  - c) m/sec                              d) gram/m
- Q.7 Formula of production of paper is product of speed of paper machine,..... and basis weight of paper
- a) Bulk density                      b) deckle of paper
  - c) acidity                              d) none of these
- Q.8 Which roll of wire part of paper machine results in watermark on paper web
- a) Dandy roll                          b) couch roll
  - c) table roll                          d) breast roll
- Q.9 Paper is \_\_\_\_\_ in character
- a) Neutral                              b) alkaline
  - c) acidic                                d) none of these
- Q.10 Dryness of paper web after pressing is
- a) 25%                                  b) 15%
  - c) 35%                                  d) 45%

## 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