

## **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Calculate production of paper in ton per day if paper machine is running at 350m/min producing paper of 45GSM and deckle of 2.78 m

Q.24 List various accessories of wire part of paper machine. Explain each in detail

Q.25 Write a short note on:

- (a) Press felt treatment and conditioning
- (b) Duties of machine tender

No. of Printed Pages : 4

Roll No. ....

220644

**4th Sem./Branch : Chemical Engineering (P&P)**  
**Subject : Paper Making-I**

Time : 3 Hrs.

M.M. : 60

## **SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 The approach flow system extends from \_\_\_\_\_ to the head box slice

- a) Screen system      b) Machine chest
- c) Presses              d) None of these

Q.2 Formula of production of paper is product of \_\_\_\_\_ deckle of paper and basis weight of paper

- a) Bulk density
- b) Acidity
- c) Speed of paper machine
- d) None of these

Q.3 Paper is \_\_\_\_\_ in character

- a) Acidic              b) Alkaline
- c) Neutral              d) None of these

Q.4 Dryness of paper web after couch roll

- a) 45%
- b) 35%
- c) 15%
- d) 25%

Q.5 Types of head box

- a) Open type
- b) Closed type
- c) Both of these
- d) Breast roll

Q.6 Two sidedness in paper is caused by

- a) Suction box
- b) Table roll
- c) Couch roll
- d) None of these

### **SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Calculate the pulp consistency if 250ml of pulp slurry contains 30gms oven dried pulp.

Q.8 Expand basis weight of paper.

Q.9 Write the function of dandy roll

Q.10 Write the formula of pulp dryness.

Q.11 Name types of head box

Q.12 Write the function of centricleaners

### **SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Describe briefly working of plain press.

Q.14 Explain briefly working of pressure screen

Q.15 Write short note on Nash pump

Q.16 A paper machine running at 235m/min calculate the head required in head box.

Q.17 Write short note on open head box

Q.18 Explain briefly sheet transfer operations

Q.19 Name press section variables. Discuss them

Q.20 Discuss any one paper machine wire changing method

Q.21 Write significance of back water system

Q.22 Write short note on protection of multilayers board