

220654

Roll No. ....

**5th Sem.**

**Branch : Chemical (Pulp & Paper)**

**Subject : Paper Making-II**

Time : 3 Hrs.

M.M. : 60

## SECTION-A

**Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)**

Q.1 Unit of basis weight is

- a)  $\text{Kg/m}^2$                       b)  $\text{gm/cm}^2$   
c)  $\text{Gm/m}^2$                       d)  $\text{Kg/m}^2$

Q.2 Mass transfer occurs due to

- Temperature difference
- Concentration difference
- Height difference
- Potential difference

Q.3 Super calendering is used to increase

- a) smoothness                      b) Bulk  
c) Gloss                                d) toughness

Q.4 Aream consists of

- a) 100 papers                      b) 500 papers  
c) 1000 paper                      d) 2000 paper

- Q.5 Roll crowing is  
 a) Flat portion                      b) Raised portion  
 c) Lower portion                    d) Upper portion
- Q.6 Rewinding is done for  
 a) Salvage                              b) Production  
 c) Both A & B                        d) Cutting

### Section-B

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

- Q.7 Define absolute humidity.  
 Q.8 Write the main reason of paper blackening.  
 Q.9 Write the main function of spring roll.  
 Q.10 Write the full forms of MF and MG dryers.  
 Q.11 Define the function of rope carrier.  
 Q.12 Write the main function of dryer felt.

### Section-C

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

- Q.13 Explain in brief the working of super calenders.  
 Q.14 Explain in brief the working of yankee (M.G.) dryer.  
 Q.15 Write the advantages of closed hood over open hood system

- Q.16 Explain in brief the working of rotary cutter with neat sketch.  
 Q.17 Explain in brief the manufacturing process of craft paper.  
 Q.18 Define drying. Also explain the need of drying.  
 Q.19 Explain in brief any one twin wire former.  
 Q.20 Explain the methods for calculation the number of dryers.  
 Q.21 Explain with neat diagram shear cut slitter.  
 Q.22 Explain in brief the manufacturing process of carbonless paper.

### Section-D

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

- Q.23 Explain with neat diagram the working principle of multicylinder dryer section used for kraft paper.  
 Q.24 Explain general practices of paper machine safety & safety reminders.  
 Q.25 A paper machine is producing 500 tonne/ Day of paper with 6% moisture content. If consisting at different sections are as follow  
 Head Box = 1%  
 After canch roll = 18%  
 After press section = 35%  
 Calculate the amount of water removed at wire part, press section and water evaporated at dryer part.