

No. of Printed Pages : 4

Roll No.

220654

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) Kg/m²
- b) gm/cm²
- c) Gm/m²
- d) Kg/m²

Q.2 Mass transfer occurs due to

- a) Temperature difference
- b) Concentration difference
- c) Height difference
- d) Potential difference

Q.3 Super calendering is used to increase

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

Q.4 A ream consists of

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

- Q.5 Roll crowning 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.

Q25 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.