

- Q.29 Explain in brief the working of embossing machine.

Q.30 Write the method of calculating number of dryers.

Q.31 Explain in brief the manufacturing process of carbonless paper.

Q.32 Write short note on shear cut flitter.

Q.33 A paper machine is producing 80gsm paper at a speed of 500 meter/minute. If deckle of machine is 200 cm with trim width 5 cm and efficiency is 90% calculate production in tonne/day.

Q.34 Write the main differences between calendering and super calendering.

Q.35 Explain in brief the working of rotary cutter.

No. of Printed Pages : 4
Roll No.

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**5th Sem. Branch: Chem (P&P)
Sub : Paper Making - II**

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Sweat dryer function is

 - a) Drying
 - b) Wetting
 - c) Softness
 - d) None

Q.2 Name the first dryer of dryer section

 - a) Couch roll
 - b) Sweat roll
 - c) Lead dryer
 - d) Dandy roll

Q.3 What is the unit of bas is wt

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

Q.4 How much is the moisture content in the sheet after dryer section

 - a) 30 to 40%
 - b) 20-30%
 - c) 10-20%
 - d) 5-10%

Q.5 Multicylinder dryer sections are arranged in

 - a) Three tier
 - b) Two tier
 - c) One tier
 - d) Four tier

- Q.6 Sheet blackening is due to :
- a) High dryness b) Excessive moisture
 - c) High crown d) Low crown
- Q.7 Heat transfer occurs due to
- a) Concentration difference
 - b) Temperature difference
 - c) Potential difference
 - d) All
- Q.8 Pope reel works on the principle of
- a) Push b) Friction
 - c) Smooth ness d) Hardness
- Q.9 For calender paper dryer used is M.G.
- a) M.G. Dryer b) M.F. Dryer
 - c) Drum Dryer d) All
- Q.10 Rewinding is done for
- a) Production b) Salvage
 - c) Both d) None
- Section-B**
- Note:** Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$
- Q.11 What is the function of spring roll?
- Q.12 Define function of baby dryer.
- Q.13 Define consistency.
- Q.14 Define humidity.
- Q.15 Define drying.
- Q.16 What is the function of rope carrier?
- Q.17 Write the two main functions of doctor blade.
- Q.18 Write main advantage of twin wire former over fourdrinier machine
- Q.19 Define dew point.
- Q.20 Write production formula.

Section-C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions. $(12 \times 5 = 60)$

- Q.21 Explain in brief the working of calendering section.
- Q.22 Write the advantages of closed hood over open hood system.
- Q.23 Explain in with neat the working of cylinder dryer in brief.
- Q.24 Explain constant and falling rate period.
- Q.25 Explain the different factors affecting the rate of heat transfer in dryer section.
- Q.26 Define the need of dryer felts and its one to two advantages & disadvantage.
- Q.27 Define the reason of hard and soft spot and how can it be minimised.
- Q.28 Write the name of different operations in the finishing section.