

- Q.28 Explain with neat diagram the constructional details of M.G. dryer.
 - Q.29 Explain in brief the working process of paper calenders.
 - Q.30 Write the reasons of hard and soft spot in paper. How this problem can be minimised?
 - Q.31 Explain in brief the manufacturing process of kraft paper.
 - Q.32 Explain working of embosser with neat diagram.
 - Q.33 Explain working of rotary cutter in brief.
 - Q.34 Write the various operations of finish house.
 - Q.35 Write the method for calculating the number of dryers.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Write general practices for paper machine safety and recommended safety reminders.

Q.37 Explain with neat sketch the working of multicylinder dryer section used for manufacturing kraft paper.

Q.38 Why condensate is to be disposed off explain blow through system for disposse of condensate with neat diagram.

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5th Sem / (P&P)
Sub.: Paper Making - II

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 Baby/lead dryer is _____

a) First dryer b) Last dryer
c) Middle dryer d) Biggest dryer

Q.2 Unit of basis weight is :

a) Kg/m² b) gm/m²
c) gm/cm² d) Kg/cm²

Q.3 Sweat dryer function is :

a) Drying b) Hardness
c) Wetting d) None

Q.4 Dryness of paper after dryer section is :

a) 75 - 80% b) 80 - 85%
c) 86 to 90% d) 94 - 96 %

Q.5 What is the function of doctor blade

a) To stop wrapping of paper when broken
b) To cut the paper
c) To abrade the dryer Surface
d) None

- Q.6 Multiple dryer sections are arranged in
a) One tier b) Two tier
c) Three tier d) None
- Q.7 Mass transfer occurs due to
a) Temperature difference
b) Concentration difference
c) Potential difference
d) None
- Q.8 Amount of water vapour in air is regarded as
a) Humidity b) Relative humidity
c) Dew point d) Pressure
- Q.9 Rewinding is done for
a) Production b) Salvage
c) Both d) None
- Q.10 Cast iron is preferred for dryer cylinder due to
a) High tensile strength
b) Less brittleness
c) Low cost & good finish
d) All

SECTION-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

- Q.11 Define drying.
Q.12 What is the function of lead dryer?

- Q.13 Define humidity.
Q.14 Define relative humidity.
Q.15 Define superheated steam.
Q.16 What is the full form of M.F. Dryer?
Q.17 What is the function of spring roll?
Q.18 How much is the consistency in the paper web after press section?
Q.19 Write the main function of doctor blade.
Q.20 What is the main purpose of sweat dryer?

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$
- Q.21 Explain in brief about speciality carbonless paper.
Q.22 Explain with neat diagram constant rate & falling rate drying.
Q.23 Write the advantages of closed hora over open hood system.
Q.24 Explain the need of felt dryer. Write its advantages and disadvantage.
Q.25 Explain different factors affecting the rate of heat transfer in dryer section. Also write how its effect can be minimised?
Q.26 Write down the differences between super calendering and calendering.
Q.27 Explain in brief the constructional details of dryer cylinder.