

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain in detail the practices for paper machine safety & recommended safety reminders.
- Q.4 Explain with neat sketch the arrangement of dryers in kraft paper machine.
- Q.5 Explain with neat sketch the blow through method for condensate disposal.
- Q.6 Explain with neat sketch the working of any one twin-wire former.
- Q.7 Write short notes on any two of the followings:-
- (a) Cheque and currency paper.
 - (b) Pocket Ventilation.
 - (c) Carbonless paper.

No. of Printed Pages : 4

Roll No.

120654

5th Sem. / Chem (P&P)

Subject : Paper Making-II

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) Define Latent heat.
 - b) Define humidity.
 - c) Define drying.
 - d) Write the functions of doctor blades.
 - e) Define relative humidity.
 - f) Define grammage.
 - g) What is the function of baby dryers?
 - h) Define the function of role carrier.
 - i) Define sweat dryer.
 - j) Write any two properties desired for cheque paper.
 - k) Define pulp consistency.

- l) Define superheated steam.
- m) Write the full form of MF and MG dryers.
- n) Write the name of the two slitters used in paper mills.
- o) Write any two functions of the super calenders.
- p) What is the function of spring rolls?
- q) Define sheet blackening.
- r) Write the names of the equipments used for removal of the condensate from the dryers.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Write the advantages of closed hood over open hood.
 - ii) Explain in brief the working of Yan Hee dryer.
 - iii) Explain in brief the manufacturing process of hand made paper.
 - iv) Write the advantages and disadvantages of dryer felt.

(2)

120654

- v) Explain in brief the working of paper calender stack.
- vi) Explain in brief the working of embossing machine with neat diagram.
- vii) Explain the different factors affecting the rate of heat transfer in dryer cylinders.
- viii) Explain operation of conventional cylinder dryer in brief.
- ix) Explain constant rate and falling rate drying.
- x) Explain in brief the working of rotary cutter.
- xi) Write the method for calculating the number of dryers.
- xii) Explain the reason for removal and disposal of condensate.
- xiii) Explain in brief any one condensate removal method.
- xiv) Describe the purpose of finishing house.
- xv) A paper machine is producing 200 tonne / day of paper of 100 gsm with 5% moisture. If head box consistency is 1 % and consistency at carch roll is 18 % calculate the amount of water removed on the wire part.

(3)

120654