Q.28 Write different factors affecting the rate of heat transfer & how can we minimise it.

Q.29 Define dryer felt and write its advantages & disadvantages in brief.

Q.30 Explain with neat diagram paper calendering section.

Q.31 Explain with neat diagram supercalendering section.

Q.32 Define the reason of hard & soft and how it can be minimised.

Q.33 Define shear cut slitter in brief.

Q.34 Explain in brief the manufacturing process of carbonless paper.

Q.35 A paper machine is running at a speed of 200 meter/minute and producing paper of 100 gsm. If deckle of machine is 200 cm with 5 cm trim width and efficiency 90%. Calculate production in tonne/day.

SECTION-D

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

Q.36 Explain with neat sketch the working and arrangement of multi-cylinders dryers used for manufacturing of news print.

Q.37 Explain paper machine safety & safety reminders.

Q.38 Explain with neat sketch the working of blow through system used for disposal of the condensate.

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Roll No. .....

5th Sem / P & P
Subject:- Paper Making - II

Time : 3Hrs. M.M. : 100

SECTION-A

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

Q.1 The dryers used for multicylinder dryer section for manufacturing newsprint.

a) M.G dryer b) Drum dryer
c) M.F. dryer d) None

Q.2 Sweat dryer function is

a) drying b) softness
c) hardness d) wetting

Q.3 Mass transfer ocurrs due to

a) temperature difference
b) potential difference
c) concentration difference
d) None

Q.4 Multiple dryer functions are arranged as

a) one tier b) two tier
c) three tier d) four tier

Q.5 Unit of basis weight of paper is

a) gm/m^2 b) gm/cm^2

c) kg/m^2 d) kg/cm^2

Q.6 Supercalendering is done to increase:

a) Smoothness b) toughness

c) thickness d) gloss

Q.7 Sheet blackening is done due to

a) high crown b) low crown

c) dryness d) Excessive moisture

Q.8 Blow through system is used for

a) disposal of condensate

b) removal of condensate

c) collection of condensate

d) Cooling of condensate

Q.9 Rewinding is done for

a) Production b) Salvage

c) Both a & b d) None

Q.10 Closed hood can reduce air requirement by

a) 20% b) 80%

c) 50% d) 90%

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Define consistency.

Q.12 Define humidity.

Q.13 Write the function of sweat dryer.

Q.14 Define the function of rope carrier.

Q.15 Define the main functions of dryer doctor blade.

Q.16 Define dew point.

Q.17 Define saturated steam.

Q.18 Write the full form of M.F Dryer & M.G. dryer.

Q.19 Name any two speciality paper.

Q.20 Define baby roll.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Write main differences between calendering and supercalendering.

Q.22 Explain with neat sketch the working of dryer cylinder.

Q.23 Explain with neat sketch the working and constructional details of yankee dryer.

Q.24 Explain with neat sketch the working of tissue machine.

Q.25 Write the advantages of closed hood over open hood system.

Q.26 Explain in brief the working of any one siphon used for removal of condensate.

Q.27 Explain with neat diagram constant rate and falling rate drying.