

- Q.26 Explain with the neat diagram the working of super calender.
- Q.27 Explain hand mode manufacturing process in brief.
- Q.28 Explain cheque and currency paper manufacturing process in brief.
- Q.29 Write the advantages of closed hood over open hood system.
- Q.30 Explain the working of shear cut slitter in brief.
- Q.31 Explain the method for calendering the number of dryers.
- Q.32 Write various operations in the finishing house.
- Q.33 Explain winder and rewinders.
- Q.34 A paper machine is running at 200 m/minute. Calculate the head required in open head box.
- Q.35 Explain pocket ventilation.

#### **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 of multi cylinder dryer section used for manufacturing News print.
- Q.37 Explain general practices and safety reminders for paper machine safety.
- Q.38 Explain the advantages of twin-wire former over fourdrinier machine. Explain with neat sketch the working of anyone twin wire former.

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#### **5th Sem / Chemical ( 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 How is heating done in cylinder dryers :
- a) Conduction                                 b) Correction
  - c) Radiation                                    d) all
- Q.2 Heat transfer occurs due to
- a) Potential difference
  - b) Concentration difference
  - c) Temperature difference
  - d) All
- Q.3 Name of the dryer used for calender paper
- a) M.F dryer                                    b) M.G Dryer
  - c) Drum Dryer                                 d) All
- Q.4 To remove condensate from dryer shell, \_\_\_\_\_ is used
- a) pump                                         b) Manually
  - c) Syphon                                        d) None

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- Q.5 Super calendering is used to increase  
 a) Smoothness      b) Roughness  
 c) Gloss              d) Thickness
- Q.6 Pope reel works on the principle of  
 a) Smoothness      b) Push  
 c) Friction          d) None
- Q.7 How many papers are in a ream?  
 a) 200              b) 300  
 c) 500              d) 1000
- Q.8 For dryer shell, which metal is most preferred :  
 a) Copper           b) Tungsten  
 c) Cast iron        d) All
- Q.9 To increase heat transfer in a dryer shell, \_\_\_\_\_ is removed from dryer:  
 a) Condensate  
 b) Scale  
 c) non-condensable gases  
 d) All
- Q.10 Calender in a stock consists of  
 a) fibrous rolls  
 b) metals rolls  
 c) Combination of metal and fibrous rolls  
 d) All

## SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Define consistency.  
 Q.12 Write the full form of M.F. Dryer.  
 Q.13 Define super heated steam.  
 Q.14 Define relative humidity.  
 Q.15 Define Dew points.  
 Q.16 Write main advantage of using twin-wire former over fourdrinier machine.  
 Q.17 Name any two twin wire former.  
 Q.18 Define baby dryer.  
 Q.19 What is the function of sweat dryer?  
 Q.20 What is the function of baby rolls?

## SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Define drying. Also explain the need of drying.  
 Q.22 Explain in brief the constructional details of M.G. dryer.  
 Q.23 Explain with next diagram the constant rate and falling rate drying.  
 Q.24 Why is the function of embossing ? Explain Embosser in brief.  
 Q.25 Explain working of rotary siphon used for removal of condensate in brief.