

- Q.33 Briefly describe type of press arrangement.
- Q.34 A paper machine running at 300 meter per minute. Calculate the head required in head box.
- Q.35 List any four duties of machine tender.

SECTION-D

- Note:** Long answer type questions. Attempt any Two question out of three questions. (2x10=20)
- Q.36 Explain construction and working principle of twin wire vertical sheet formation system with a neat diagram.
- Q.37 Explain in detail the working of sheet transfer operation and working of any one type of vacuum pump.
- Q.38 List various accessories of wire part. Explain each in details.

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4th Sem / Chemical (P&P) Subject : Paper Making-I (4th Semester)

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 On which principal screening is based?
- a) Size
 - b) Shape
 - c) Density
 - d) None
- Q.2 The _____ device for continuous forming.
- a) Lignin formation
 - b) Pulp Extractor
 - c) Paper machine
 - d) Jack Machine
- Q.3 Unit of Viscosity.
- a) Pa.s
 - b) Pa/s
 - c) Pa/m.s
 - d) None
- Q.4 Unit of Consistency is
- a) Dimension less
 - b) Percentage
 - c) Kg
 - d) None
- Q.5 _____ is utilized for applying the pulp slurry to a screen.
- a) Drying
 - b) Forming
 - c) Pressing
 - d) Draining

- Q.6 What is mess No?
 a) No of Holes Per inch
 b) No of Holes per inch²
 c) Total No of holes
 d) None
- Q.7 Bone dry Pulp contains moisture _____.
 a) 0% b) 5%
 c) 10% d) None
- Q.8 Choose range of acidic pH.
 a) >7 b) <7
 c) =7 d) None
- Q.9 Consistency of pulp in head box is _____.
 a) >1% b) =1%
 c) <1% d) None
- Q.10 Choose paper machine from following.
 a) Twin Wire Former
 b) Suction Machine
 c) Straight Head Machine
 d) None

SECTION-B

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

- Q.11 Name any one type of approach flow system?
 Q.12 Write any one type of machine for making paper.

- Q.13 Give any one use of table cloth.
 Q.14 What is the purpose of guide roil?
 Q.15 What is the purpose of save all?
 Q.16 Write any two accessories of wire part.
 Q.17 Name any one type of Vacuum pump.
 Q.18 What is function of press used in paper machine?
 Q.19 Write any one utility of cylinder mold machine.
 Q.20 Expand the term GSM?

SECTION-C

Note: Short answer type questions. Attempt any Twelve question put of fifteen questions. (12x5=60)

- Q.21 Define Screening?
 Q.22 Explain the purpose of using slice.
 Q.23 Write a note on drainage of the fourdrinier machine.
 Q.24 Explain any one accessories of wire part.
 Q.25 what do you understand by twin wire vertical sheet formation system?
 Q.26 Explain in brief working of open head box.
 Q.27 discuss briefly working suction press.
 Q.28 Write working of centri-cleaner.
 Q.29 Explain the working pressure screen.
 Q.30 what are the factors which affect the basis weight of paper?
 Q.31 Write a note on head box level.
 Q.32 Draw neat diagram of close head box.