

- Q.28 Define cauticity.

Q.29 Name the major equipment's of Pandia Continuous Digester.

Q.30 What is the scope of Biopulping?

Q.31 Draw a neat sketch of drum debarker.

Q.32 Differentiate kappa no. and permagnet no. of pulp.

Q.33 Write five disadvantages of soda process over sulfate process.

Q.34 Mention five end uses of mechanical pulp.

Q.35 Draw a neat sketch of vibrating screen.

SECTION-D

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

- Q.36 Give a neat labeled block diagram of pulp and paper manufacturing.

Q.37 What is chipping? Write the reason of chipping. Explain in detail about drum chipper.

Q.38 Explain the differences between the properties of pulp obtained from the kraft process and sulfite process.

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3rd Sem / Chemical (P&P) Subject:- Pulping Processes

Time : 3Hrs. M.M. : 100

M.M. : 100

SECTION-A

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

- Q.1 What is the unit of pressure?

 - a) kg
 - b) kg/m
 - c) kg/cm²
 - d) kg/m²

Q.2 Choose type of hardwood .

 - a) Pine
 - b) Eucalyptus
 - c) Bagasse
 - d) Spruce

Q.3 Bamboo is _____.

 - a) HW
 - b) SW
 - c) Grass
 - d) None

Q.4 Which layer of wood contains fiber?

 - a) Primary
 - b) Lumen
 - c) Bark
 - d) None

Q.5 What is OD?

- a) Oven dry b) Over draft
c) Over dry d) Other day

Q.6 What is the content of wood?

- a) Plastic b) Glass
c) Fiber d) NaOH

Q.7 Select any one type of debarker.

- a) Carthage b) Drum
c) Norman d) None

Q.8 What is unit of brightness?

- a) Photovolt b) Electrovolt
c) kg d) Meter

Q.9 Which type of barker is ideal for small mill?

- a) Drum b) Disc
c) Aviato d) Rosser head

Q.10 On which principle cleaning is based?

- a) Size b) Shape
c) Density d) Velocity

SECTION-B

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

Q.11 Name any one type of fibrous raw material.

- Q.12 Expand TTA.
Q.13 Name any one fruit fiber.
Q.14 Define bark.
Q.15 Write any one reason of chipping.
Q.16 Which pulping does not require chemical?
Q.17 Expand BSW.
Q.18 What is the thickness of middle lamella in morphological analysis of fiber?
Q.19 Write the formula of consistency.
Q.20 What is bath ratio?

SECTION-C

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

- Q.21 What is anthraquinion pulping?
Q.22 What are the main sources and availability of raw material in the context of Indian paper industry.
Q.23 What is the objective of bleaching?
Q.24 What is blow heat recovery?
Q.25 How is waste paper processed?
Q.26 Give the classification of fibrous raw material.
Q.27 The consistency of 52 ton of pulp stock is reduced from 5.6% to 2.5%. Calculate the quantity of water added.