

- Q.28 Give advantages and disadvantages of multi stage bleaching
- Q.29 Define copper number
- Q.30 Write about the purpose of bleaching
- Q.31 Write note on chlorine dioxide bleaching
- Q.32 Write short note on brightness reversion of bleaching.
- Q.33 Write about the properties and uses of Hypochlorite
- Q.34 Discuss anyone washer with diagram.
- Q.35 Write a note on Why we need to bleach the pulp.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain the different manufacturing method chlorine dioxide in industry
- Q.37 Define stages of bleaching. Explain any of stage with diagram
- Q.38 Write a short note on any three:
- Use of sulphuric acid
 - Bsw pulp.
 - CEPED
 - Measurement of bleachability

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3rd Sem / Chem. P & P Subject:- Pulp Bleaching

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 _____ is the yellowness of pulp with spending of time is known as
- Colour reversion
 - Colour addition
 - Oxidation
 - None
- Q.2 Choose the formula of Hydrochloric acid.
- H_3NSO_3
 - H_2SO_4
 - HNO_3
 - HCL
- Q.3 Bleaching Stage are carried out consistencies for pulp bleaching are from _____
- 3-20
 - 40-80
 - 500-1000
 - 100-200
- Q.4 Another name of bleaching is delignification?
- True
 - False

Q.5 Choose Reductive Chemical

- a) Ca b) CO₂
- c) Cl d) H₂O

Q.6 ECF full form

- a) Element chlorine form
- b) Element chlorine free
- c) All of above
- d) None of above

Q.7 The main purpose of bleaching of pulp is for _____ of pulp.

- a) Brightness b) washing
- c) cleaning d) None

Q.8 What is chemical formula of hydrogen peroxide

- a) HO₂ b) HO
- c) H₂O d) H₂O₂

Q.9 Choose anyone bleaching process.

- a) O₃ b) CO
- c) H₂SO₄ d) CaCl₂

Q.10 Write formula of bleaching powder.

- a) CaCl₂ b) CaCO₃
- c) CaCl d) Ca(CIO)₂

SECTION-B

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

Q.11 What is the main Purpose of Pulp Bleaching.

Q.12 Define Pulp Yeild.

Q.13 What is the Formula od Ozone.

Q.14 Name any one Bleaching Chemical.

Q.15 Expand CEHD.

Q.16 Define Consistency.

Q.17 Write full form of TCF.

Q.18 What is Bleachability.

Q.19 Write a use of Mixer.

Q.20 Define Pulp.

SECTION-C

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

Q.21 Write the advantages of oxygen bleaching.

Q.22 Discuss about the post color number.

Q.23 Differentiate between agitator and mixer?

Q.24 Explain the concept of bleaching powder

Q.25 Write the advantages of oxygen bleaching

Q.26 Write short note on peroxide bleaching

Q.27 Discuss about ozone bleaching?