

- Q.5 Select any one type of debarker.
- a) Drum b) Carthage
c) Norman d) All of the above
- Q.6 Cellulose is_____.
- a) Organic b) Inorganic
c) Alkali d) Acid
- Q.7 Which chemical is used in soda pulping?
- a) Na_2SO_4 b) Na_2S
c) Na_2CO_3 d) NaOH
- Q.8 Choose the raw material used for secondary fiber pulping.
- a) Hard wood b) Soft wood
c) Agriculture residue d) Waste paper
- Q.9 On which principal screening is based?
- a) Size b) Shape
c) Density d) All of the above
- Q.10 Which pulping have higher yield?
- a) Chemical b) Mechanical
c) Semicheical d) Bio-chemical

SECTION-B

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

- Q.11 Is bamboo used for making paper?

- Q.12 Name any one agriculture residue.
- Q.13 What is luman?
- Q.14 Write the formula of cellulose.
- Q.15 Mention name of any one type of chipper.
- Q.16 Which chemical is used in chemical debarking of wood?
- Q.17 Expand TTA.
- Q.18 Where white liquor is used?
- Q.19 Name the fungus used in bio-pulping.
- Q.20 What is the purpose of secondary fiber pulping.

SECTION-C

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

- Q.21 Briefly describe introduction to paper on network of cellulosic fiber.
- Q.22 Write a note on availability of fibrous raw material in context of Indian paper Industries.
- Q.23 Define pulping.
- Q.24 Explain cellulose.
- Q.25 Draw a neat sketch of morphological analysis of fiber.
- Q.26 Write the importance of debarking?
- Q.27 Why chipping is necessary?