

- Q.29 What is brightness?
- Q.30 Explain various coating processes used in paper industry.
- Q.31 What is dimensional stability of paper?
- Q.32 Write application of speciality papers.
- Q.33 What is the effect of dye stuff on opacity?
- Q.34 Draw a neat sketch of quadrant scale.
- Q.35 Write a note on unsatisfactory appearance of paper.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 What is pigment coating. Explain in detail the working of on machine and off machine coating.
- Q.37 What do you understand by sheet strength? Explain the bursting strength of paper.
- Q.38 Describe the construction and working of vortex meter.

No. of Printed Pages : 4 180666/120666/030666
Roll No.

6th Sem / Branch : Chemical Engg. (Pulp & Paper) Sub. : Paper properties and Conversion

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Which filler is used to increase brightness of paper?
- H_2SO_4
 - Co_2
 - Na_2SO_4
 - TiO_2
- Q.2 _____ paper is used to wrap food for cold storage.
- Hard
 - Currency
 - Wax
 - None
- Q.3 Choose any one property of paper
- Breaking length
 - Double fold
 - Tensile strength
 - All
- Q.4 The first two sided coated paper was made in _____ year.
- 1875
 - 1975
 - 1850
 - 1900

- Q.5 _____ is used for measuring bursting strength.
- a) Beater b) Muller
c) Roller d) None
- Q.6 _____ pressure is maintained in thickness tester
- a) 7 to 9 PSI b) 9 to 11 PSI
c) 5 to 7 PSI d) 5 to 9 PSI
- Q.7 What is the SI unit of tensile strength?
- a) N/m b) N/m^2
c) m^2/N d) m/N
- Q.8 _____ Paper has maximum folding endurance.
- a) Toilet b) Butter
c) Currency d) Wax
- Q.9 Expand the term AD.
- a) Air drum b) And dry
c) All dry d) Air Dry
- Q.10 Which property is greater across machine direction of paper.
- a) Tearing b) Folding
c) Moulding d) None

SECTION-B

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

- Q.11 Where condenser paper is used?

- Q.12 What is the standard conditioning time for testing of paper?
- Q.13 Name any one paper which required opacity.
- Q.14 Define formation.
- Q.15 Name any two types of coating.
- Q.16 Which side of paper is called wire side?
- Q.17 Why gas mask filter have porosity?
- Q.18 What is the significance of gloss in paper?
- Q.19 How beating can effect bursting strength of paper?
- Q.20 Expand TEA.

SECTION-C

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

- Q.21 What is curl of paper?
- Q.22 Mention the parameters why coating of paper is important.
- Q.23 What is stress and strain?
- Q.24 Mention any 5 defects of paper.
- Q.25 What is bulk and bulking thickness?
- Q.26 Define dielectric constant and explain its significance.
- Q.27 What is meant by opacity of paper? Explain its determination.
- Q.28 Define sheet strength.