

- Q.25 Draw a neat sketch of Elmendorf tear tester.
  - Q.26 Write a note on brightness of paper.
  - Q.27 Briefly explain opacity of paper.
  - Q.28 Define PH.
  - Q.29 What is color revision?
  - Q.30 Write a note on transformer paper.
  - Q.31 How coating mixture is prepared.
  - Q.32 Differentiate on machine & off machine coating.
  - Q.33 Give any two applications of wax paper.
  - Q.34 What is the significance of moisture content?
  - Q.35 Define TEA.

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**6th Sem / P&P**  
**Subject:- Paper properties & Conversion**

Time : 3Hrs. M.M. : 100

## **SECTION-A**

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

- Q.1 Which side of paper is smooth?

  - a) Wire side
  - b) Felt side
  - c) Machine side
  - d) Cross side

Q.2 Choose the property of paper which is greater in cross direction?

  - a) Folding Strength
  - b) Tensile Strength
  - c) Bursting Strength
  - d) None

Q.3 What is the unit of basis weight of paper?

  - a) Meter
  - b) Centimeter
  - c) gm/m<sup>2</sup>
  - d) Kg/m<sup>2</sup>

Q.4 Ratio of change in dimensions to the original dimensions is called \_\_\_\_\_?

  - a) Stress
  - b) Strain
  - c) Force
  - d) Thickness of paper

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- Q.5 What is the wavelength of white light?  
a) 400-500 milimicron b) 400-600 milimicron  
c) 400-700 milimicron d) 400-800 milimicron
- Q.6 Which property of paper is measured by Mullen tester?  
a) Thickness              b) Basis weight  
c) Bursting strength    d) Tearing strength
- Q.7 How much temperature is maintained in oven during measurement of moisture content of paper?  
a) 90°C                      b) 95°C  
c) 100°C                      d) 105°C
- Q.8 Choose the earliest method of coating.  
a) On machine              b) Off machine  
c) Size press                d) None
- Q.9 Which type of paper have maximum folding endurance?  
a) Currency paper          b) Toilet paper  
c) Kraft paper                d) News paper
- Q.10 Where condenser paper is used?  
a) Telephonic equipment  
b) Gas turbine power plant  
c) Pulp mill operation  
d) None

## SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Which side of paper have higher percentage of short fiber.  
Q.12 How much time is required conditioning of paper.  
Q.13 Expand the term AD.  
Q.14 Write the name of instrument used for testing of degree of fiber orientation.  
Q.15 Name any one fibrous material which affect the density of paper.  
Q.16 On which side of paper postage stamps are printed?  
Q.17 Which is more important in using a paper-Area or volume.  
Q.18 Name any one pigment used in coating.  
Q.19 Name any one optical property of paper.  
Q.20 Write the any one application of toilet paper.

## SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Define orientation of fiber.  
Q.22 Differentiate Wire side & felt side of paper.  
Q.23 Explain basis weight of paper.  
Q.24 Describe the method of measuring porosity of paper.