

- Q.27 List various optical property.
 - Q.28 What are the effect of gloss on paper properties?
 - Q.29 Define PH.
 - Q.30 Give reason of color reversion.
 - Q.31 Name various properties of transformer paper.
 - Q.32 What is coating.
 - Q.33 List four used to toilet tissue.
 - Q.34 Describe coating mixture preparation.
 - Q.35 How surface strength of paper is measured?

SECTION-D

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

- Q.36 List various specialty paper. Explain the manufacturing process of any one.

Q.37 Write various type of coaters. Explain air knife coater with neat sketch.

Q.38 Write short note on any two of the following

 - Tensile energy absorption
 - Stress strain curve of paper
 - Important properties of specialty paper
 - Tearing resistance of paper

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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 paper has stronger fiber orientation?

 - a) Handmade paper
 - b) Machine produced paper
 - c) Both a & b
 - d) None

Q.2 Which is the effect of longer fiber then short fiber on paper properties?

 - a) More strength b) Less strength
 - c) Higher elongation d) None

Q.3 Write the unit of thickness.

 - a) Kg b) Liter
 - c) Mm micrometer d) Second

Q.4 What is the greatest cause of rejection of paper?

 - a) Basis weight b) Thickness
 - c) Appearance d) Density

- Q.5 Which paper has maximum folding endurance?
- Currency paper
 - News paper
 - Butter paper
 - Magazine paper
- Q.6 What is the wavelength of white light?
- 400-600 milimicrons
 - 400-700 milimicrons
 - 400-800 milimicrons
 - None
- Q.7 Which property of paper is associated with poor reading quality?
- Brightness
 - Opacity
 - Gloss
 - Both a & b
- Q.8 High voltage application is required in which paper?
- Butter paper
 - Condenser paper
 - Writing paper
 - Printing paper
- Q.9 What is CaCO_3 ?
- Pigment
 - Fiber
 - Adhesive
 - Protein
- Q.10 What is GSM in photographic paper?
- 10-40 GSM
 - 40-50 GSM
 - 90-110 GSM
 - 150-200 GSM

SECTION-B

- Note:** Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$
- Q.11 Name two sides of paper.
- Q.12 Write any one name of paper.
- Q.13 Name the apparatus used for measuring the smoothness of paper.
- Q.14 Expand TEA.
- Q.15 What is the unit of breaking length?
- Q.16 What is called the other name of thickness?
- Q.17 Is clay adhesive (Yes/No)
- Q.18 How much time is required for conditioning of paper?
- Q.19 Which type of coating (On Machine / Off Machine) is expensive?
- Q.20 Write any one use of wax paper.

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$
- Q.21 Explain the orientation of fiber.
- Q.22 Differentiate wire side & felt side of paper.
- Q.23 Draw neat sketch of SPS Tester.
- Q.24 Define density of paper.
- Q.25 What do you mean by dirt content of paper?
- Q.26 Write a note on curl & cockling.