



B.E. / B.Tech (Full Time) DEGREE ARREAR EXAMINATIONS, NOV / DEC 2012

PRINTING TECHNOLOGY BRANCH

SIXTH SEMESTER

PT 9352 – PAPER AND BOARD

(REGULATIONS 2008)

23

Time: 3hrs

Max Marks: 100

Answer ALL Questions

Part - A (10 X 2 = 20 Marks)

1. Define the process of Debarking?
2. Why cotton fibers are preferred for Paper making process?
3. Define Calendaring process?
4. What is Baby dryer?
5. Define Synthetic lattices.
6. What is the use of coating in Paper?
7. Define GSM.
8. Define Gloss.
9. What is blistering?
10. What is piling?

Part - B (5 X 16 = 80 Marks)

11. Explain in detail about the Mechanical pulping Process.
12. a. Explain in detail about the sections of Paper making machine.
(Or)
b. Explain in detail about the super-calendaring process.
13. a. What are the types of coating Techniques? Explain any four in detail.

(Or)

- b. Explain in detail about Recycling process of paper.
14. a. Explain the following paper properties.

(4 X 4 = 16)

1. Smoothness 2. Caliper 3. Formation 4. Porosity

(Or)

- b. (i) Explain the Tensile test of paperboard. (8)
- (ii) Explain the Burst test of board. (8)
15. a. (i) Explain the Picking problem in paper. (8)
- (i) Explain Slurring and Doubling. (8)

(Or)

- b. (i) Explain about the poor ink drying. (8)
- (ii) Explain about Curl and web break. (8)