



B.E. / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2012
 PRINTING TECHNOLOGY BRANCH
 SIXTH SEMESTER
PT 9352 – PAPER AND BOARD
 (REGULATIONS 2008)

Time: 3hrs

Max Marks: 100

Answer ALL Questions

Part - A (10 X 2 = 20 Marks)

1. Why cellulose fibres preferred for paper making process?
2. Which fibers are producing stronger pulp? How?
3. Define the calendaring process.
4. What is Baby dryer?
5. What are the sizes of paper from A0 to A4?
6. Define Recycling.
7. Define GSM.
8. Define smoothness of paper.
9. What is mottling?
10. What is piling?

Part - B (5 X 16 = 80 Marks)

11. Explain the sources of pulp for paper making process.
12. a. Explain in detail about the sections of Paper making machine.

(Or)

- b. Explain the calendaring and super calendaring process.

13. a. Explain the recycling process of paper.

(Or)

- b. Explain the paper handling methods.

14. a. Explain the following paper properties.

(4 X 4 = 16)

1. Grammage 2. Relative Humidity 3. Formation 4. Porosity

(Or)

- b. (i) Explain the pH 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)