

**11034 : Special Technology - II : Pulp & Paper Tech. : 5 PT 04**

P. Pages : 1

Time : Three Hours



* 0 1 5 5 *

AW - 3159

Max. Marks : 80

- Notes :
1. Due credit will be given to neatness and adequate dimensions.
 2. Assume suitable data wherever necessary.
 3. Diagrams and chemical equations should be given wherever necessary.
 4. Illustrate your answer necessary with the help of neat sketches.
 5. Discuss the reaction, mechanism wherever necessary.
 6. Use of pen Blue/Black ink/refill only for writing the answer book.

SECTION - A

1. Discuss the importance of procurement of raw material and inventory for commercial scale pulp mill. **14**

OR

2. Describe the degradation of paper with respect to environmental protection. **14**

3. How producer, dealer, company operation & imported receipts ensure the supply of raw material to an integrated pulp & paper mill? **13**

OR

4. Describe the working of any two debarkers with their advantages & disadvantages. **13**

5. Why and How uniform chips are necessary of good quality of product? Explain design of chipper. **13**

OR

6. Describe the rail & road transportation of fiber to mill site. **13**

SECTION - B

7. With neat flow diagram explain ground wood pulping process. What are the uses of ground wood pulp? **14**

OR

8. Draw sketches of various grinders used in the mechanical pulping process. **14**

9. Explain the theory of chemi-mechanical pulping process. **13**

OR

10. Describe the 'sulfate' pulping process, with flow chart. **13**

11. How acid sulfite liquor is produced? **13**

OR

12. Describe the terms used in paper industries for 'sulfite' process. **13**
