

B.Tech. Eighth Semester (Final Year) (Food, Pulp & Paper, Oil & Paint and Petro. Tech.) (CGS)
11089 : Pulp & Paper Technology - VI : 8 PT 01

P. Pages : 1

Time : Three Hours



AU - 3067

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. Calendaring is one of the major operation in finishing of paper & paper board. Justify. 14

OR

2. Describe the necessity and working of winders & reminders in paper industry.
3. Define coating. Why is it necessary ? Write it's stepwise. 13

OR

4. Describe the working of vertical & horizontal size press in coating.
5. With neat flow diagram, explain the process of manufacture of particle board. 13

OR

6. Describe the role of hot hydraulic pressing in manufacturing of hard board.

SECTION - B

7. Discuss the sources of waste water of an integrated pulp & paper industry with their characteristics. 14

OR

8. Discuss over all measures taken to reduce the air pollution in paper industry.
9. Define 'Lot', 'Sample', 'Specimen' & 'Relative Humidity'. What are the standard conditions of testing laboratories in paper industry. 13

OR

10. List out various test carried out for paper. Explain the process of testing any five test.
11. Define hand made paper. Explain the process of hand made paper with neat flow chart. 13

OR

12. Discuss various measures taken for energy conservation in paper industry.
