(3 HOURS) MARKS: 80

1. Question No. 1 is compulso

- 2. Attempt any three questions out of remaining five questions.
- 3. Assume suitable data wherever necessary.
- 4. Figures to right indicate full marks.

Q.1		Answer the following (Any four)	
	a.	Explain forming operation in paper manufacture from pulp.	5
	b.	What are the types of flute in CFB?	5
	c.	How the drying of paper sheet is done?	5
	d.	Which type of paper is used for packaging of hygroscopic food product?	5
	e.	What are wet end and dry end operations in paper manufacturing?	5
Q.2	a.	What are the advantages and disadvantages of mechanical and chemical pulping?	10
	b.	How barking is done using rotary parallel drum barker?	10
Q.3	a.	Discuss the recovery of chemicals in kraft pulping.	10
	b.	Discuss the applications of wax paper and coated paper.	10
Q.4	a.	Differentiate between solid bleached and unbleached board.	10
	b.	Give the classification of paper sacks.	10
Q.5	a.	Explain the CFB box manufacturing process in detail.	10
	b.	What are the factors affecting refining of pulp? What are the effects of refining?	10
Q.6		Write a short note on any four	
	a.	Secondary fibers	5
	b.	Cylinder formers	5
	c.	Wood handing	5
	d.	Deinking process	5
	e.	STE with side hang tab	5
