Roll No.									30	

B.E. / B.Tech (Full Time) Arrear Examinations April/May 2012
Printing Technology Branch
VI Semester
PT 383 –Packaging Technology (Regulations 2004)

Time: 3 Hrs. *Answer all questions* **Max. Marks 100**

Part A (10x2=20 Marks)

1. Define "packaging".
2. Write any four materials widely used for packaging.
3. What are the major elements in package design?
4. What are the advantages of fibre drums?
5. What do you mean by modified atmospheric packaging?
6. Why coffee powder is kept in an air-tight container?
7. Write any four performance tests carried out on a package.
8. What is the difference between compression strength and stacking strength?
9. How collapsible tubes are manufactured?
10. Why paper and paper boards are widely used in packaging?

Part B (5x16=80 Marks)

11. (i)Describe the advantages of tetra pack. (12 Marks)
(ii) What do you mean by HTST processing? (4 Marks)

12. (a) Describe the manufacturing process of a regular slotted carton.

(OR)

12. (b) With neat diagram explain the manufacturing process of aluminum cans

13. (a) Explain the graphics design elements used in the package design

(OR)

13. (b) Describe how demographic factors affect package design.

14. (a)(i) What is the difference between shrink wrapping and stretch wrapping? (6marks)
(ii) Write a short note on child resistant closures. (10 marks)

(OR)

14. (b) Explain any four methods used for food preservation.

15. (a) Explain any three test methods for characterizing the plastic packaging materials.

(OR)

15. (b) Describe the various performance tests performed on a corrugated board

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