



B.E / B Tech (Full - Time) DEGREE END SEMESTER EXAMINATIONS, April / May-2013
PRINTING TECHNOLOGY BRANCH
FIFTH SEMESTER – (REGULATIONS 2008)
PT9302 – PACKAGING TECHNOLOGY

15

Time: 3 hrs

Max Marks:100

Instructions:

1. Answer all questions.
2. All questions carry equal marks.

Part – A (10 × 2 = 20 Marks)

1. What are the functions of packaging?
2. Write the importance of shelf life with respect to packaging.
3. What are the types of design and write its importance in packaging?
4. What is tags and in packaging?
5. How flexible pouches are made?
6. What are multiwall sacks?
7. What is aseptic and retort packaging?
8. What is protective packaging?
9. What is RFID in packaging?
10. What is the importance of hot track testing in packaging?

Part – B (5 × 16 = 80 Marks)

11. Explain how cans are manufactured with suitable steps and diagram.
12. (a) Discuss the interaction of a package design with respect to materials, product contents and machine interaction.
(or)
(b) Discuss the factors which influence the package with respect to sales.
13. (a) Explain with suitable diagram and steps how rigid boxes are manufactured?
(or)
(b) Explain in detail how collapsible tubes are manufactured and write its applications.
14. (a) Discuss the parts and functions of aerosol packaging in detail.
(or)
(b) What is MAP? Explain the importance of MAP in food packaging.
15. (a) Explain the following test and discuss in detail how are they measured?
(1) Drop (2) Vibration
(or)
(b) Discuss how the burst and compression strength of a corrugated board are tested?