



B.E. / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2012
PRINTING TECHNOLOGY BRANCH
SEVENTH SEMESTER
PT 9401 - PACKAGING MATERIALS
(REGULATIONS 2008)

Time: 3hrs

Max Marks: 100

Answer ALL Questions

Part - A (10 X 2 = 20 Marks)

1. What is the use of resin Identification codes?
2. What is the use of flexible plastics in packaging?
3. What is fumigation?
4. Define grammage.
5. What is Metallization?
6. Define cullet.
7. Define Lacquers.
8. What are the properties needed for cushioning materials?
9. What is the use of WVTR in packaging?
10. What is the use of standards in material testing?

Part - B (5 X16 = 80 Marks)

11. Explain in detail about the optical properties.
12. a. Explain the processing technique used for the manufacture of films for flexible packaging.
(Or)
b. Explain the process of plastic recycling.
13. a. Explain the attributes of glass container needed for food packaging.
(Or)
b. Explain in detail about any two coating process.
14. a. Explain the applications of wood in the food packaging industry.
(Or)
b. (i) Explain the properties needed for Wrapping materials (8)
(ii) Explain the construction of FBB. (8)
15. a. Explain in detail about the adhesives used for packaging.
(Or)
b. Explain the properties needed for Collapsible tube.