

13/11/13.

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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2013

Printing Technology

Semester V

PT9302 - Packaging Technology

(Regulation 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Differentiate package, packaging and packing.
2. What is resonance?
3. What is bar code?
4. Write the difference between demographics and psychographics.
5. Define extrusion process.
6. Why lacquering is important for cans?
7. List two manufacturing methods for blister packaging.
8. Name the types of stretch wrap.
9. Define tear factor.
10. Write Mckee formula.

Part – B (5 x 16 = 80 marks)

11. Describe briefly the various hazards of packaging.
12. a) List the factors to be considered while designing a package.
(OR)
b) Explain in detail the structural design of snap lock carton for any one pharmaceutical product with proper diagram.
13. a) Write the steps involved in the manufacturing process of 2 and 3 piece cans.
(OR)
b) (i) Explain in detail about the manufacturing of blown film. (10)
(ii) Discuss about rigid box manufacturing process. (6)
14. a) Discuss about aerosol packaging in detail with its applications.
(OR)
b) Write a detailed note on export packaging and mention its types.
15. a) Discuss about (i) Burst test (ii) Tear test (iii) Tensile test (iv) scuff test
(OR)
b) Describe the various types of package pre-shipment tests.