

Roll No.

23224

**M. Tech 2nd Semester (Print & Graphic
Communication)**

Examination – January, 2012

ADVANCED PACKAGING TECHNOLOGY

Paper : PTL- 731

Time : Three hours]

[Maximum Marks :100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions by selecting at least *one* question from each Unit. All questions carry equal marks.

UNIT – I

1. Define Bar Code ? Write in detail about importance and application of Bar Code printing. 20
2. Discuss in detail about testing of cellulose and paper materials. 20

UNIT – II

3. Discuss in detail about process of manufacturing, properties and application of fiberboard cartoon. 20
4. Write notes on : $10 \times 2 = 20$
- (a) Laminates
 - (b) Special plastics & their use.

UNIT – III

5. Discuss in detail about wooden containers and its manufacturing. 20
6. Write notes on : $10 \times 2 = 20$
- (a) Cartoning
 - (b) Labeling

UNIT – IV

7. Write in detail about various Acts & Regulation related with packaging industry. 20
8. Write notes on : $10 \times 2 = 20$
- (a) Extrusion dies,
 - (b) Blow moulds.
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