

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-IV • EXAMINATION – SUMMER • 2014

Subject Code: 142304**Date: 25-06-2014****Subject Name: Plastics Packing Technology****Time: 10:30 am - 01:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain What are the functions of package? Explain them in detail. **07**
(b) Which are the types of packaging? Explain them in detail. **07**
- Q.2** (a) What are the design fundamentals? Explain it in detail. **07**
(b) How many different types of paper available for packaging? Explain them in detail with treatment of papers. **07**
- OR**
- (b) Enlist hazards occurs in distribution and Explain any three. **07**
- Q.3** (a) Explain folding cartons in detail with different types of styles and design of Folding Cartons. **07**
(b) Explain corrugated board in detail. **07**
- OR**
- Q.3** (a) Explain basic design factors for good designing of package? **07**
(b) Explain Mechanical Testing done on Plastic Film. **07**
- Q.4** (a) Define Package Wrapping. Explain Shrink Film Wrapping in detail. **07**
(b) Explain Cushion Packaging in detail. **07**
- OR**
- Q.4** (a) What is Controlled Atmosphere Packaging (CAP)? Explain Features of CAP in detail. **07**
(b) Provide the different types of plastic available for packaging. Enlist advantages and disadvantages of plastic packaging. **07**
- Q.5** (a) Explain Drop Testing in detail. **07**
(b) What is Vibration Testing? Explain it in detail. **07**
- OR**
- Q.5** (a) Enlist the different types of plastic films available for packaging. Explain Oriented and non-oriented PP film. **07**
(b) Enlist cushion materials available for cushion packaging. Explain them in detail. **07**
