

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

Subject Code: 142304**Date: 02-01-2015****Subject Name: Plastics Packaging Technology****Time: 02:30 pm - 05:00 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 Impact and Compression Testing in detail. **07**
(b) Explain climate hazards in detail. **07**
- Q.2** (a) How a package creates an appeal to customer explain in detail. **07**
(b) Enlist different types of Paper available for packaging with advantages and disadvantages. Explain them in detail with treatment of papers. **07**
- OR**
- (b) With neat sketch Explain different types of styles and design available for Folding Cartons. **07**
- Q.3** (a) Explain Cartoning system in detail. **07**
(b) Explain Setup Boxes in detail with its types and advantages and disadvantages. **07**
- OR**
- Q.3** (a) Explain corrugated board in detail. **07**
(b) Explain Fibre Dum packaging in detail. **07**
- Q.4** (a) Enlist the different types of plastic films available for packaging. Explain Metallized and LLDPE Film. **07**
(b) What is meant by controlling of packaging atmosphere? Explain Vacuum Packaging and MAP in detail. **07**
- OR**
- Q.4** (a) Explain skin packaging with neat sketch. Explain in brief Blister and Pouch Packaging. **07**
(b) Explain cushion packaging in detail. **07**
- Q.5** (a) Explain Testing done on Plastic Package. **07**
(b) Explain Testing done Corrugated Boards. **07**
- OR**
- Q.5** (a) Explain how packaging graphic is playing most important role sales medium. **07**
(b) Discuss group wise product evaluation of shelf life. **07**
