

GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. - SEMESTER – IV • EXAMINATION – WINTER 2012

Subject code: 142304**Date: 31/12/2012****Subject Name: Plastics Packaging Technology****Time: 02.30 pm - 05.00 pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) What is Packaging? What are the functions of a Package? **07**
(b) What are the climatic factors that may cause packaging product to deteriorate? **07**

- Q.2** (a) Discuss advantages and disadvantages of plastics packaging **07**
(b) Distinguish between blister package and skin package. **07**

OR

- (b) Explain various tests conducted on corrugated board **07**

- Q.3** (a) .State the importance of Bag- in- Box concept on packaging.Discuss advantages of Bag-in-Box concept **07**
(b) Explain the main hazards to which a transit package is exposed in (a) loading and unloading (b) warehousing (c) road transport **07**

OR

- Q.3** (a) Discuss in detail , various types of Packaging. Give suitable examples. **07**
(b) Explain about Requirements of Glass packaging and their advantages and disadvantages **07**

- Q.4** (a) What is Shelf Life? Discuss factors affecting the shelf life of Packaged goods **07**
(b) State the importance of colour as sales medium. What are the factors consider in selection of package colour. **07**

OR

- Q.4** (a) Explain why a regular slotted container (RSC) is popular as transport package. **07**

- Q.4** (b) 1. State the purpose of label on food package. **07**
2. Distinguish between hermit pack and a seal

- Q.5** (a) Discuss the types of papers used for packaging applications **07**
(b) Describe about Product labeling in accordance with regulations **07**

OR

- Q.5** (a) Describe about Temper Evident packaging and child resistant packaging with examples **07**
(b) What do you mean by biodegradable packaging? Discuss its importance **07**
