



## **InClinition Institute, India**

Approved as member by Quality Council of India, Govt. of India  
and ISO 17100:2015 Certified Organization

### **Syllabus**

#### **Diploma in Packaging Technology (6 months e-learning course)**

##### **Module 1: Basics of Packaging**

Historical background, definition of packaging as integral part of production and marketing, physicochemical concepts such as colligative properties, gas laws, surface tension, dialysis, diffusion.

##### **Module 2: Understanding physicochemical characteristics of product**

Physical state, weight, centre of gravity, symmetry, fragility, rigidity, surface finish, water vapour, gases, odour, heat, light – mechanism of spoilage

Principles of corrosion and its prevention

Package design – factors influencing design / product - package relationship

##### **Module 3: Packaging Materials**

Technology, Manufacture, Conversion, Properties, applications, advantages, disadvantages and current trends of following materials:

Paper, paperboards, film laminates, plastics and polymers, aluminum, tin, drums, glass, textile materials (sacks), wood.

##### **Module 4: Ancillary materials**

Adhesives, cushioning, reinforcements, stitching methods, seals and closures, linings, lacquers, labels and labeling

##### **Module 5: Packaging of products**

Foods (Tea, food products, confectionaries, beverages, dairy products), cosmetics and perfumes, chemicals, speciality chemicals, soaps, textiles, handicrafts, pharmaceuticals

##### **Module 6: Logistics, supply chain**

##### **Module 7: Packaging Printing**

Graphic design, printing techniques, printing inks, printing evaluation and testing, Quality control, bar coding



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#### **Module 8: Package testing (Quality Control)**

Physicochemical and instrumental testing of packaging materials

#### **Module 9: Packaging Regulations**

- Food safety and standards Act, 2006
- The Legal Metrology Act, 2009 (Packaged commodity rules, 2011)
- UN Certificate code for packaging of dangerous goods
- Packaging laws and regulations – legal requirements

#### **Module 10: Packaging Management: Marketing, finance, and economics**

### **Contact Us:**

#### **InClinition Institute, India**

Call for admissions: +91-251-2400397 or +91-8898904115

Email: [info@inclinition.com](mailto:info@inclinition.com)

Website [www.inclinition.com](http://www.inclinition.com)

#### **Join us on Social Media**

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#### **Training Centre and Office:**

2 and 3, Ground floor, Shri Devdoot CHS, Datta Apartment,  
Near Bhoir Gymkhana and Lokpriya School,  
Bhoirwadi, Mahatma Phule Road,  
Dombivli (West)-421202,  
Mumbai Area, Maharashtra, India