

- Q.25 Discuss cost economics.
- Q.26 Explain various type of shapes used in plastic product design.
- Q.27 Explain positioning of holes.
- Q.28 State various stages of new product development.
- Q.29 Explain importance of wall thickness in plastic design.
- Q.30 Write short note on shapes used in plastic product designing.
- Q.31 Discuss fillet and radius.
- Q.32 Explain various methods used for preparing textured patterns.
- Q.33 Explain ribs and bosses (With neat sketch)
- Q.34 Explain Surface finish used in plastic product design.
- Q.35 Explain various mechanical requirements of plastic product design.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Discuss Product life cycle and feasibility study.
- Q.37 Explain various preliminary design considerations used in plastic product design.
- Q.38 Write short note on :
- Various materials and their selection criteria
 - Texturing and its manufacturing methods

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6th Sem /
Branch : Plastic, Chem Engg. (Spl. Polymer Tech)
Sub. : Plastic Product Design

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Preliminary design considerations are needed to ____.
- Reduce cost
 - To calculated direct raw materia cost
 - For better design
 - All of these
- Q.2 Designs are periodically modified to ____.
- Improve product performance
 - Strive for zero-based rejection and waste
 - Make products easier and faster to manufacture
 - All of the above
- Q.3 Method of adhesion, in which parent materials is used as dope is knows as ____.
- Solvent adhesion
 - Solvent cementing
 - Solvent doping
 - None of the above
- Q.4 Alphabets and letters are generally used for ____.
- Identification of shift

