

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

Q.3 Discuss on flexible packaging materials in detail.

Q.4 Write a note on coating and lamination.

Q.5 Discuss on casts and oriented films.

Q.6 Discuss on injection molding.

Q.7 Write a note on printing and decoration of plastics.

(40)

(4)

105262

No. of Printed Pages : 4

Roll No.

105262

6th Sem. / Pack. Tech.

Subject : Plastic Packages Manufacture

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) Applications of plastics.
 - b) Role of plastics in packaging.
 - c) Types of flexible materials.
 - d) Composite laminates.
 - e) Monolayer films.
 - f) BOPP.
 - g) Materials for lamination.
 - h) Dry lamination.

(1)

105262

- i) Scope of extrusion.
- j) Principles of co-extrusion.
- k) Cast film.
- l) Principle of injection.
- m) Principle of compression molding.
- n) Blow molding.
- o) Principle of thermoforming.
- p) Scope of plastic welding.
- q) Skin packaging.
- r) Plastic printing.
- iii) Common weld-able plastics.
- iv) Mould configuration.
- v) Machine variables of thermoforming.
- vi) Constructional features of rotational molding.
- vii) Types of blow molding operations.
- viii) Range of injection molded products.
- ix) Shrinkages in molding.
- x) Transfer molding die.
- xi) Advantages of compression molding.
- xii) Applications of cast films.
- xiii) Applications of co-extrusion.
- xiv) Role of paper in flexible laminates.
- xv) Containers and their types.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2 i) Requirements of plastic printing.
- ii) Plastic welding processes.

(2)

105262

(3)

105262