

SECTION-C

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

- Q.3 Discuss on welding of plastics.
- Q.4 Write a note on thermoforming.
- Q.5 Write a detailed note on transfer molding.
- Q.6 Discuss on extrusion and co-extrusion.
- Q.7 Mention various applications of plastics.

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Roll No.

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6th Sem. / Pack. Tech.

Subject : Plastic Package Manufacturing

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 metalized films.
- b) Rotogravure printing.
- c) Hot gas welding.
- d) Plastic welding.
- e) Applications of thermoforming.
- f) Pressure forming.
- g) Blow molding.
- h) Mould design.

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| i) Injection molding. | ii) Characteristics of different flexible materials. |
| j) Transfer molding. | iii) Applications of polyethylene films. |
| k) Orientation of plastic films. | iv) Applications of metal foils. |
| l) Coextrusion machine. | v) Properties of laminable paper. |
| m) Types of extrusion. | vi) Methods of coating. |
| n) Nip coater. | vii) Lamination process. |
| o) Selection aluminium foils. | viii) General extrusion process. |
| p) Cast films. | ix) Cast films and its process description. |
| q) Laminate structure. | x) Advantages of bi-axial orientation. |
| r) Applications of plastics. | xi) Compression molding. |

SECTION-B

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

Q.2 i) Converted forms of plastics.

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| xii) Transfer molding. |
| xiii) Rotational molding. |
| xiv) Requirements of plastic printing. |
| xv) Heated tool welding. |

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