

SECTION-C

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

- Q.3 Explain in detail co-extrusion process of sheet making.
- Q.4 With neat sketch explain mono filament process.
- Q.5 Explain injection blow molding with neat sketch in detail.
- Q.6 Give any ten defect in blow molding with their causes and remedies.
- Q.7 Write short note on:-
- a) Bubble casing
 - b) Adaptor

No. of Printed Pages : 4

Roll No.

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5th Sem. / Plastic Tech.

Subject : Plastic Proc. Tech. – II

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1
- a) Define thermoset material.
 - b) Define barrel.
 - c) Define co-extrusion.
 - d) Define stretching.
 - e) Define draw-down ratio.
 - f) Define adaptor.
 - g) Define hoop ratio.
 - h) Define die swell.
 - i) Define compression zone.

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- j) Define screw.
- k) Define metering zone.
- l) Define extruder.
- m) Define screen printing.
- n) Define mold venting.
- o) Define back pressure.
- p) Define additive.
- q) Define nip roll.
- r) Define winding equipment.

SECTION-B

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

- Q.2
- i) Explain the function of feed zone.
 - ii) Explain take off device used in the extrusion process.

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- iii) Explain hot stamping.
- iv) Explain plastic-plastic laminates.
- v) Explain gravure printing.
- vi) Explain multi-layer molding.
- vii) Explain wire and cable manufacturing process.
- viii) State any four defects of extrusion blown film and suggest the possible remedies.
- ix) Write a short note on pretreatment of printing.
- x) Explain casting of films.
- xi) Write a short note on parison wall thickness.
- xii) Draw a neat sketch of cross-head die.
- xiii) Explain principle of extrusion blow molding.
- xiv) Explain vented barrel extruder process.
- xv) Explain biaxial rotation.

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