

- Q.28 Explain draw down ratio.
- Q.29 Give advantages of ISBM
- Q.30 State importance of compression and metering zone.
- Q.31 Explain hot stamping process.
- Q.32 Name various types of calendar rolls and also draw their sketch.
- Q.33 What are preform? Where are they used?
- Q.34 Discuss parison programming and its importance.
- Q.35 Discuss applications and importance of metal-plastic laminates.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain principle, construction and working of extrusion blow moulding process.
- Q.37 Write short note on :
- Twin screw extruder
 - Stretch blow moulding
- Q.38 Explain different type of laminates and also give advantage and disadvantage of each.

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5th Sem. / Branch : Plastic Engineering Subject:- Plastic Processing Techniques-II

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 An extruder is a _____ vessel.
- Mass
 - Density
 - Pressure
 - Viscosity
- Q.2 In which technique, parison are re-heated.
- Stretch blow moulding
 - Injection blow moulding
 - Extrusion blow moulding
 - None of these
- Q.3 _____ cannot be used to produce bottle with handles.
- Injection blow moulding
 - Extrusion blow moulding
 - Compression blow moulding
 - Injection moulding

- Q.4 In extrusion process, cross section of product at any point is _____
- a) Irregular b) Different
c) Non uniform d) Same
- Q.5 _____ also serves as filter for the melt.
- a) Screen pack b) Screw
c) Barrel d) Choke ring
- Q.6 Emergency stop devices are usually _____ in colour.
- a) Black b) Red
c) Yellow d) Blue
- Q.7 A die can have _____ :
- a) Single orifice b) Multiple orifice
c) One hole d) None of These
- Q.8 Extruder cut into desired length in the _____ :
- a) Cooling tub b) Winding area
c) Hopper d) Haul off region
- Q.9 _____ is not required in case of injection blow moulding.
- a) Chipping b) Trimming
c) Cutting d) Blending
- Q.10 Extrusion is a _____ process.
- a) Continuous b) Batch
c) Simple d) Non uniform

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SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 How many rams are used in two stages extruder.
- Q.12 Define winding.
- Q.13 Give one disadvantage of continuous extrusion blow moulding.
- Q.14 What is hoop ratio ?
- Q.15 What is contra rotating screw ?
- Q.16 _____ enhances mixing of materials.
- Q.17 What is melt fracture ?
- Q.18 Define venting.
- Q.19 Name two examples of paper - plastic lamination.
- Q.20 Define parison-sag

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Give principle of rotational moulding.
- Q.22 Explain L/D ratio and its importance.
- Q.23 What is preventive maintenance?
- Q.24 Explain die swell.
- Q.25 Discuss cutting devices used in extrusion.
- Q.26 Discuss laminates and their types.
- Q.27 Discuss bubble casing.

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