

Q.28 Explain any five difference between extrusion blow molding and injection blow molding.

Q.29 Write a short note in plastic materials used in blow molding.

Q.30 Explain working of a flat film plant.

Q.31 Write short note on extrusion coating of paper.

Q.32 Explain working of injection blow molding.

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. (3x10=30)

Q.33 Explain any ten common blow molding problems with their causes and solution.

Q.34 Explain construction and working of a injection blow molding.

Q.35 Explain any ten common extrusion problems with their remedies and causes.

Q.36 Define pipe. Explain single screw extruder pipe line with neat sketch.

(100)

(4)

122252/032252

No. of Printed Pages : 4

Roll No.

122252/032252

5th Sem. / Plastic Engg.

Subject : Plastic Processing

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

Q.1 The length of the screw may be divided into _____ zones.

Q.2 The function of a screen pack is to reduce _____ motion of the melt.

Q.3 The function of a die is to accept the melt from an extruder.

Q.4 In co-rotating twins, the screw acts like a _____ gear pump.

Q.5 Coating films uses _____ die.

Q.6 A tubular preform is called _____.

(1)

122252/032252

- Q.7 Post cooling of blow molded parts can shorten the_____.
- Q.8 The extrusion blow moulding process requires the resin to have a capability known as_____.
- Q.9 In sketch blow moulding, one the resin is _____
- Q.10 The screen is placed in between _____ and _____.

SECTION-B

Note:Very short answer type questions. Attempt any ten questions out of twelve questions.
(10x2=20)

- Q.11 Define Compression Ratio.
- Q.12 Define die.
- Q.13 Define Mandrel.
- Q.14 Define Discharge.
- Q.15 Define Mixing.

(2)

122252/032252

- Q.16 Define Breaker Plate.
- Q.17 Define Maintenance.
- Q.18 Define Freezing.
- Q.19 Define Tubing.
- Q.20 Define Accumulator.
- Q.21 Define Pinch-off.
- Q.22 Define Flash.

SECTION-C

Note:Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)

- Q.23 Explain difference between counter rotating twin screw and co-rotating twin screw extruder. any five.
- Q.24 Write a short note on screen pack.
- Q.25 Explain start up procedure of an extruder.
- Q.26 Write a short note on blowing the parisons.
- Q.27 Define Clamping. Explain different types of clamping.

(3)

122252/032252