

- Q.24 Write short note on melt spinning process.
- Q.25 Explain metal - plastic laminates and their applications.
- Q.26 Explain advantages of Multi-layer blown films.
- Q.27 Discuss blow up ratio and its importance in blown film process.
- Q.28 Write short note on melt spinning process.
- Q.29 Discuss atleast five defects and remedies in blow moulding process.
- Q.30 Discuss polymer processing in textile industries.
- Q.31 Discuss reaction injection moulding.
- Q.32 Explain sandwich foam moulding.
- Q.33 Discuss co-extrusion of sheets.
- Q.34 Explain two colour injection moulding process.
- Q.35 Discuss various dies and their applications in extrusion process.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Discuss gas assisted injection moulding and their advantages.
- Q.37 Explain:
- Injection stretch blow moulding
 - Insert injection moulding technique
- Q.38 Discuss :
- Post treatment of fibers in textile industry
 - Tie bar less injection moulding machine

No. of Printed Pages : 4
Roll No.

182263

6th Sem / Branch : Plastic Engineering Sub. : Plastic Processing Techniques-IV

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Which types of Heaters is used in Injection Moulding machines Barrel?
- Cartridge Heaters
 - Band Heaters
 - Coil Type Heaters
 - Immersed Type Heaters
- Q.2 _____ is the function of plunger in Injection Moulding Machines
- Melt the material
 - Push the material into the mould
 - Cool the material
 - Eject the moulded part
- Q.3 Which type of process is used for manufacturing of soft-drink Bottles?
- Extrusion Blow Moulding
 - Injection Blow Moulding
 - Stretch Blow Moulding
 - Continuous Blow Moulding

- Q.4 Which media is used to inflate the soft plastic in blow moulding process?
- Air
 - Water
 - Oil
 - Soap solutions
- Q.5 Which instrument is used to measure thickness of film?
- Vernier calliper
 - Digital micrometer
 - Micrometer
 - Vernier depth gauge
- Q.6 What is meant by L/D ratio?
- Length to diameter ratio
 - Lift to drag ratio
 - Length to developed ratio
 - Length to draw ratio
- Q.7 What is the standard Helix angle of screw?
- 15"
 - 16"
 - 17.7"
 - 19.8"
- Q.8 Coating is bonding of two or more layers
- True
 - False
 - May be true or false
 - None of the above
- Q.9 Which of the following plastics is used in the Lamination of Paperboard?
- LDPE
 - PS
 - PVC
 - HDPE
- Q.10 Which of the following polymers are used as fibre?
- Poly-tetra- fluoro-ethane
 - Poly chloroprene
 - Nylon
 - None of these

SECTION-B

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

- Q.11 In extrusion moulding, the function of screen pack is to _____.
- Q.12 Production rate of injection Blow Moulding Method is (Lower/Higher) Than of Extrusion Blow moulding.
- Q.13 Give two advantages of SBM over EBM.
- Q.14 _____ is the minimum thickness required by the plastic for vacuum forming.
- Q.15 Name two plastic fibers used in textile industry.
- Q.16 Which part converts the melt plastic into tubular shape?
- Q.17 _____ defect is found inside the product when there is moisture in blowing air?
- Q.18 What defect will occur if the die damaged or dirty in blow moulding?
- Q.19 Cross sectional area of parison to that of area of die opening is known as _____.
- Q.20 Give two applications of plastic - Plastic laminates.

SECTION-C

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

- Q.21 Explain lost core injection moulding machines.
- Q.22 Explain High pressure foam moulding.
- Q.23 Explain difference between injection and extrusion blow moulding.