

- Q.27 Write any two process parameters and their effect on product properties w.r.t. Compression Moulding Process.
- Q.28 Write a note on Pot calculations.
- Q.29 What is CBA. Why is it used in Plastics Industry.
- Q.30 Give one major advantage of Straight Pressure forming process over Straight vacuum forming process.
- Q.31 Draw the neat labelled diagram of Pultrusion Process.
- Q.32 What are Multidaylight compression moulding machine. What is the advantage of multiday light machine over single daylight machine.
- Q.33 Can nylon material be used in thermoforming Process. Justify your answer.
- Q.34 Write down the process of Hot Plate welding with a neat sketch.
- Q.35 For making moulded in holes with Products made by thermoset material. Which process is used and why.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 With neat and labelled sketch. Write down the process of Filament winding Technique.
- Q.37 With a neat and labelled sketch, write down the process for making EPS.
- Q.38 Give raw material and any one method of manufacturing following
- a) Glass Fiber b) Carbon Fiber

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Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Plunger type transfer moulding process is completed using conventional compression moulding press.
- a) True b) False
- c) Can't say d) None of above
- Q.2 In compression moulding press
- a) Only Thermosets are processed
- b) Only Thermoplastics are processed
- c) Mainly thermosets but sometimes thermo-plastics
- d) None of above
- Q.3 Which of the following process is accomplished by deforming the plastic in rubbery state
- a) Injection Moulding
- b) Compression Moulding
- c) Calendering
- d) Thermoforming
- Q.4 Which of following product can not be made by using Blow Moulding Process.
- a) Bottle b) Jar
- c) Barrel d) Plate

- Q.5 Hand lay up technique is
- Continuous Process
 - Batch Process
 - High Pressure Process
 - All of above
- Q.6 Which of following thermoforming process gives product of highest clarity
- Straight Vacuum Forming
 - Straight Pressure Forming
 - Free Forming
 - Plug assist forming
- Q.7 Low pressure or no pressure process is called
- Injection Moulding
 - Compression Moulding
 - Blow Moulding
 - Casting
- Q.8 Which of following is a type of calender
- L Type
 - Z Type
 - I Type
 - All of above
- Q.9 Which of following process is used to produce stress free product
- Injection Moulding
 - Compression moulding
 - Blow moulding
 - Rotational Moulding
- Q.10 Term Cavity Pressure is used with which of following processing technique
- Injection moulding
 - Compression moulding

- Blow moulding
- Rotational moulding

SECTION-B

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

- Q.11 Define Turning.
- Q.12 Define Casting.
- Q.13 Expand the term FRP.
- Q.14 Which plastics material is called acrylic plastics.
- Q.15 Machining of plastics should be the last option. (T/F)
- Q.16 Expand the term fiber.
- Q.17 Define plastics processing.
- Q.18 Write any one plastics product made by using calendering process.
- Q.19 Expand the term EPS.
- Q.20 Define Pot.

SECTION-C

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

- Q.21 With a neat sketch write the process of matched mould forming.
- Q.22 Write the process of Drilling as used with plastics.
- Q.23 With neat sketch. Write down the process of Encapsulation.
- Q.24 Write down any five merits and demerits of Blow moulding over Rotational Moulding.
- Q.25 With a neat and labelled diagram. Write a note on Z type calender.
- Q.26 Give any two mechanism using which we can foam the plastics materials.