

- 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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6th Sem / Branch : Plastics Technology Sub. : Plastics Processing Techniques III

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

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