

- Q.27 Can nylon be thermoformed, justify your answer.
- Q.28 What is difference between vacuum and pressure. Give units of each.
- Q.29 Write a note on polishing process. What is the importance of polishing.
- Q.30 Write the steps involved in plug assist pressure forming.
- Q.31 With a neat sketch, write down the process of batch type dip casting.
- Q.32 Write any two process parameter and their affect on product properties in compression moulding process.
- Q.33 With a neat diagram, write down the process of pressure bag moulding technique.
- Q.34 Define daylight define and write its types.
- Q.35 With properties of any two, write five materials used in thermoforming technique.

SECTION-D

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

- Q.36 With a neat and labelled sketch, write down the process of filament winding.
- Q.37 With a neat and labelled diagram and all the conditions of temperature. Write the process of cell casting of PMMA.
- Q.38 Write a short note on
- a) SMC b) DMC

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Roll No.

4th Sem. / Plastic
Sub.: Plastic Processing Technology - II

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Runner is the term associated with
- a) Compression moulding b) Transfer moulding
 - c) Extrusion d) Thermoforming
- Q.2 Spiral flow test is used for
- a) Thermo plastic material
 - b) Thermo set material
 - c) Elastomeric materials
 - d) Rubbers
- Q.3 Pultrusion process is continuous
- a) Continuous b) Intermittent
 - c) Batch d) None of above
- Q.4 Which process is accomplished by deforming plastics in melt form.
- a) Casting
 - b) Thermoforming
 - c) Compression moulding
 - d) Turning

- Q.5 Low pressure or no pressure process is called
- Injection moulding
 - Compression moulding
 - Casting
 - Blow moulding
- Q.6 IN which technique the term cavity pressure is used.
- Injection moulding
 - Compression moulding
 - Blow moulding
 - Rotomoulding
- Q.7 In the term FRP, F stands for
- Force
 - Four
 - Five
 - Fiber
- Q.8 Putrusion process is used to make
- Sheets
 - Pipes
 - Both A & B
 - None of above
- Q.9 Drilling is used to make
- Blind holes
 - Through holes
 - To increase the diameter of exsisting hole
 - None of above
- Q.10 Die is the term used in
- Pultrusion
 - Compression moulding
 - Transfer moulding
 - Thermoforming

SECTION-B

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

- Q.11 Expand the term RTM.
- Q.12 Expand the term PMMA.
- Q.13 Which resin is used to make FRP products for space applications.
- Q.14 Thermal conductivity of plastics is more than metals. (True/False)
- Q.15 Why welding is used with plastics.
- Q.16 Define boring.
- Q.17 Define cycle time.
- Q.18 Expand the term DMC.
- Q.19 Define curing time.
- Q.20 Define thermoset plastics.

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 technique of matched mould forming.
- Q.22 Define pot, write pot calculations.
- Q.23 Write the steps involved in pultrusion process.
- Q.24 With a neat diagram, write the process of hot plate welding.
- Q.25 With a neat sketch, write the process of embedding.
- Q.26 What are performs, what is their significance in compression moulding.