

- Q.27 Can nylon be thermoformed, justify your answer.

Q.28 What is difference between vaccum 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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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

## **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.