

- Q.24 Name the different zones in extrusion molding.
  - Q.25 Explain hot stamping.
  - Q.26 Write short note on polymer processing.
  - Q.27 Write short note on polymer melt flow processes.
  - Q.28 Write short note on preventive maintenance.
  - Q.29 Compare merits and demerits of breakdown maintenance and scheduled maintenance.
  - Q.30 Write in short objective of maintenance and their importance.
  - Q.31 Write any five materials used in extrusion blow molding.
  - Q.32 What are the cooling and heating systems in calendering line?
  - Q.33 Explain filaments process with neat sketch.
  - Q.34 What is L/D ratio, give its advantages.
  - Q.35 Give the classification of different screw used in extrusion.

## **SECTION-D**

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

- Q.36 Explain rotogravure printing with diagram.

Q.37 Write short note on

  - a) Bubble casing
  - b) Die swell

Q.38 Explain calendaring and their types write any one of them.

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3rd Sem. / Plastic Tech.  
Subject:- Plastic Processing Techniques - I

Time : 3Hrs.

M.M. : 100

## **SECTION-A**

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

- Q.1 Large plastics tanks are prepared by

  - Injection molding
  - Compression molding
  - Rotational molding
  - Transfer molding

Q.2 Bottles and cans are molded by

  - Blow molding
  - Compression molding
  - Injection molding
  - Extrusion molding

Q.3 Plastics mugs are prepared by

  - Injection molding
  - Blow molding
  - Extrusion molding
  - Compression molding

- Q.4 Vents are provided in molds
- To remove excess gases
  - To heat material
  - To cool material
  - None of these
- Q.5 Function of barrel is
- To melt material
  - To cool material
  - To pump material
  - To store material
- Q.6 Bend heaters are used to
- Provide uniform heating
  - Provide non-uniform heating
  - Both a & b
  - None
- Q.7 Pitch is present
- Screw
  - Barrel
  - Hopper
  - Nozzle
- Q.8 Which type of nozzle is used in injection molding?
- Divergent
  - Convergent
  - Both A & B
  - None of these
- Q.9 Printing is a
- Post processing operation
  - Primary operation
  - Tertiary operation
  - None of these

- Q.10 Wires and cables are prepared by
- Extrusion molding
  - Compression molding
  - Blow molding
  - Transfer molding

### **SECTION-B**

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Injection moulding is a continuous process.  
(True/False)
- Q.12 What is L/D ratio?
- Q.13 Define screw.
- Q.14 Define feed zone.
- Q.15 Define die.
- Q.16 Define core.
- Q.17 Define mold.
- Q.18 Define screen pack.
- Q.19 Define perform.
- Q.20 Define maintenance.

### **SECTION-C**

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Explain in short extrusion molding of plastics with diagram.
- Q.22 What is the function of feed zone?
- Q.23 Explain flexographic printing process.