

4th Sem.  
Branch : Plastic Technology  
Sub. Plastic Processing Techniques-II

Time : 3 Hrs. M.M. : 60

#### SECTION-A

**Note: Multiple choice Questions. All Questions are compulsory. (6x1=6)**

- Q.1 Which compound material is used for compression moulding process?  
a) FRP                          b) PVC  
c) Polypropylene              d) Phenol formaldehyde
- Q.2 What is the term for volatile gases that escape from moulds during compression moulding?  
a) Shaping                      b) Culling  
c) Breathing                    d) Flashing
- Q.3 What defect occurs when moisture is present in the raw material of compression mould?  
a) Warpage                     b) Blistering  
c) Thick flash                 d) Mould sticking
- Q.4 Which process is used in making FRP articles?  
a) Injecting moulding  
b) Blow moulding  
c) Hand lay-up  
d) Transfer moulding

- Q.5 Which of the following process makes epoxy mould?

  - a) Casting
  - b) Machining
  - c) Hot press moulding
  - d) Injection moulding

Q.6 Which form of Raw material is mostly used for thermoforming process?

  - a) Granules
  - b) Pellets
  - c) Powder form
  - d) Plastic sheet

## **SECTION-B**

**Note:** Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Name two applications of electroplating process.

Q.8 Give two advantages of thermoforming process.

Q.9 Name two products made by compression moulding.

Q.10 Name two defects of vacuum forming process.

Q.11 Name two different types of printing process.

Q.12 Filament winding is used in \_\_\_\_\_ application.

## **SECTION-C**

**Note:** Short answer type Questions. Attempt any eight questions out of ten Questions.  $(8 \times 4 = 32)$

- Q.13 Explain cell casting technique.
  - Q.14 Explain matched – molding forming.
  - Q.15 Explain Single and Multi Daylight of machine
  - Q.16 Discuss vacuum metalizing process.
  - Q.17 Discuss “Potting and encapsulation” process.

- Q.18 Explain two defects and remedies in transfer moulding.
  - Q.19 Explain two defects and remedies in vacuum forming.
  - Q.20 Discuss filament – winding process.
  - Q.21 Discuss principle of pultrusion.
  - Q.22 Explain Spray-up technique

## **SECTION-D**

**Note: Long answer questions. Attempt any two questions out of three Questions. (2x8=16)**

- Q.23 Explain

  - Filament winding technique
  - Plastisols Casting

Q.24 Explain

  - Comparison between compression molding and transfer molding.
  - Plug assisted forming technique.

Q.25 Discuss

  - Snap back forming
  - Five defects and remedies of compression moulding