

- Q.18 Explain Spray-up technique.
- Q.19 Discuss various limitations of forming process.
- Q.20 Explain various materials for thermoforming
- Q.21 Explain matched - molding forming.
- Q.22 Draw compression moulding cycle

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Roll No.

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4th Sem / Plastic Technology
Subject : Plastic Processing Techniques-II

Time : 3 Hrs. M.M. : 60

SECTION-D

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

Q.23 Explain:

- a) Slush casting
- b) Pultrusion

Q.24 Explain:

- a) Potting and encapsulation
- b) Plug assisted forming technique.

Q.25 Discuss:

- a) Filament winding technique.
- b) Vacuum metalizing

SECTION-A

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

Q.1 Pressure pads are used in compression and transfer molding _____.
 a) To pressurizes the mold

- b) To protect the mold from high pressure
- c) To clamp the mold
- d) None of the above

Q.2 The distance between the stationary platen and the moving platen on a molding press when the actuating system is fully retracted without ejector box and/or spacers.
 a) Mold Height b) Machine Height

- c) Daylight d) None of these

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Q.3 Vents are provided in compression mold _____.

- a) To remove extra material
- b) To remove the volatile gases
- c) To remove moisture
- d) All of these

Q.4 Full form of FRP is _____.

- a) Filament rod polymerization
- b) Fiber rubber processing
- c) Filament resin plastic
- d) Fiber reinforced plastics

Q.5 In thermoforming, plastic sheets are heated to _____.

- a) Boiling point b) Tg Point
- c) Sag point d) Melting point

Q.6 What is the ideal material for processing in compression moulding?

- a) Plastics
- b) Thermoplastics
- c) Thermo setting plastic
- d) Non-ferrous materials

SECTION-B

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

Q.7 Male portion of the mold which gives internal form is _____.

Q.8 Cull is associated with _____ process.

Q.9 Name two different types of printing process.

Q.10 Name two advantages of pultrusion process.

Q.11 Give two defect of thermoforming process.

Q.12 Give two advantages of thermoforming process.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Discuss pressure bag moulding.

Q.14 Discuss common faults and remedies of compression moulding process.

Q.15 Explain film casting technique.

Q.16 Explain two defects and remedies in transfer moulding.

Q.17 Explain cell casting technique.