

### SECTION-D

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

Q.23 Explain with neat sketch principle, construction and working of compression moulding

Q.24 Explain :

- a) Various defects and remedies of Compression moulding machine
- b) Limitations and advantages of thermoforming.

Q.25 Discuss :

- a) Filament winding technique
- b) Pot type transfer moulding.

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### 4th Sem./ Plastic Technology

### Subject : Plastic Processing Techniques - II

Time : 3 Hrs.

M.M. : 60

### SECTION-A

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

Q.1 Mould for thermoforming process is made up \_\_\_\_\_ material.

- a) Aluminium                      b) Wooden
- c) Epoxy                              d) All of them

Q.2 \_\_\_\_\_ are difficult to mould in compression moulding

- a) Single cavity mould      b) Multi cavity mould
- c) Large cavity mould      d) Small cavity mould

Q.3 What is the purpose of guide pillars in compression moulding process?

- a) To retain the Shape      b) To maintain pressure
- c) To improve Distance      d) To ensure alignment

Q.4 Which is the main criterion to specify the compression moulding machine?

- a) Press tonnage (in ton)
- b) Rate of production
- c) Area of machine
- d) Cost of machine

Q.5 Which moulding process is associated with breathing?

- a) Transfer moulding
- b) Injection moulding
- c) Compression moulding
- d) Extrusion moulding

Q.6 Which process is used for manufacture of small & large Reinforced polyester product?

- a) Hand lay-up                      b) Spray-up
- c) Vacuum Bag                      d) Pressure Bag

### SECTION-B

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

Q.7 Name two thermoset materials used in compression moulding process.

Q.8 Filament winding is used in \_\_\_\_\_ application.

Q.9 Name two different types of finishing process.

Q.10 Give two defects of thermoforming process.

Q.11 Give two applications of compression moulding.

Q.12 Name two limitations of vacuum forming process.

### SECTION-C

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

Q.13 Discuss encapsulation process.

Q.14 Discuss vacuum metalizing.

Q.15 Explain Spray- up technique and its advantages.

Q.16 Give importance of preheating moulds, in moulding process.

Q.17 Explain effect of process variables on product properties.

Q.18 Explain principle of Pultrusion

Q.19 Give principle of Transfer moulding.

Q.20 Explain types of heating systems used in thermoforming process

Q.21 Discuss Hand Lay- up technique.

Q.22 Discuss Drape vacuum forming process.