

Section-C

Note: Short answer type Question. Attempt any four questions out of five Questions. (4x5=20)

- Q.23 Compare the injection mould and blow mould, Give their advantages, disadvantages and applications.
- Q.24 Differentiate between two plate mould and hot runner mould.
- Q.25 Discuss about ejector return mechanism.
- Q.26 Discuss thermoforming.
- Q.27 Write down advantages of registering.

Section-D

Note: Long answer questions. Attempt any two question out of three Questions. (2x25=50)

- Q.28 Design and Drawing a multi cavity semi positive type mold for electrical switch.
- Q.29 Design and drawing a two plate mould for soap case.
- Q.30 Design and drawing a positive type mould for MCB.

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5th Sem., Branch : T & D

Subject : Plastic Mould Design & Drawing

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 There is no sprue and runner system in a
- a) Compression mold b) Injection mold
- c) Extrusion mold d) All of the above
- Q.2 An example for natural polymer is _____.
- a) Plastic b) Rubber
- c) Wood d) None of these
- Q.3 Following are the type of compression mould
- a) Flash b) Horizontal semi positive
- c) Vertical Semipositive d) All above
- Q.4 Function of flash escapment area is
- a) To provide area for flash
- b) For cooling
- c) None of above
- d) Both A & B

- Q.5 More flow restriction of plasticized material increases.
- Strength of product
 - Uniform flow
 - Stress
 - None of above
- Q.6 Which of the following is a type of Transfer Moulding?
- Pot transfer moulding
 - Plunger transfer moulding
 - Both A & B
 - None of the above
- Q.7 Following ejection techniques is used in Compression Moulding.
- PIN TYPE
 - Stripper plate
 - Air ejection
 - All above
- Q.8 Function of cull pickup is.
- To collect the excess material
 - To remove sprue
 - Both A & B
 - None of above
- Q.9 Function of loading chamber
- to provide space for plastic material
 - For cooling
 - For ejection
 - All above

- Q.10 Following number of cavities can be designed in Transfer moulding.
- Single cavity
 - Four cavity
 - Ten cavity
 - All above

Section-B

Note: Very short answer type questions. Attempt any ten questions out of twelve questions. (10x2=20)

- Q.11 Orifice in loose plate acts as a gate in loose plate Transfer Moulding (True/False)
- Q.12 Feed system and product are separately ejected in pot type Transfer Moulding (True/False)
- Q.13 Side gate location can be possible in two plate injection mould. (True/False)
- Q.14 Which is the mould making material for cavity insert?
- Q.15 How many number of guide Pillar used in IM?
- Q.16 Function of spacer Block is _____?
- Q.17 Function of venting is _____.
- Q.18 Function of flash pocket is _____
- Q.19 Function of die ring is _____.
- Q.20 Guide pillars are made up of _____?
- Q.21 Sheet thickness control with the help of _____.
- Q.22 _____ type of ejection did not rest ejector mark on product.