NETTUR TECHNICAL TRAINING FOUNDATION
CP01 - DIPLOMA IN TOOL ENGINEERING & DIGITAL MANUFACTURING
VI SEMESTER & SUPPLEMENTARY EXAMINATION MAY – 2023

SUBJECT: TOOL DESIGN DRAWING   **TOTAL TIME : 0.25h**

SUBJECT CODE: CP01 06 07P   **MARKS : 15**

PART A

1.0 FILL IN THE BLANKS   **1 X 5 = 5**

1.1 In Three plate Mould, the movement of the floating cavity plate is controlled by_____

1.2 The leakage of plastic material through the nozzle is called_____

1.3 The maximum volume of material that can be injected by the screw during one cycle of operation is_____

1.4 The drawing process is considered deep when the depth of the drawn part exceeds it's _____

1.5 A two plate mould with stripper ejection is having _____ number of day light

2.0 CHOOSE THE CORRECT ANSWER   **1 X 5 = 5**

2.1 The plastic used in compression moulding is   **(   )**

   a) Thermo plastics   b)Thermoset plastics   c)RP plastics   d)None

2.2 The part of the mould which gives the external form of the moulding   **(   )**

   a) Cavity   b)Core   c)Sprue puller   d)None

2.3 Thread is a form of _____.   **(   )**

   a) Heel   b) Undercut   c)Step   d)None

2.4 The operation which does not produce scrap is   **(   )**

   a)Parting off   b)Cut off   c)Notching   d)Trimming

2.5 It is used to reduce the effective seating area of ejector assembly   **(   )**

   a) Shedder   b)Centring bush   c)Rest button   d)Dowel

3.0 MATCH THE FOLLOWING   **1 X 5 = 5**

A	B
3.1 Secondary operation	a) Compound tool
3.2 Draw beads	b) Die casting die
3.3 Breathing	c) Shaving
3.4 Knock out rod	d) Deep drawing
3.5 Spreader	e) Compression mould

A	3.1	3.2	3.3	3.4	3.5
B					

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SUBJECT: TOOL DESIGN DRAWING   **TOTAL TIME : 3h**
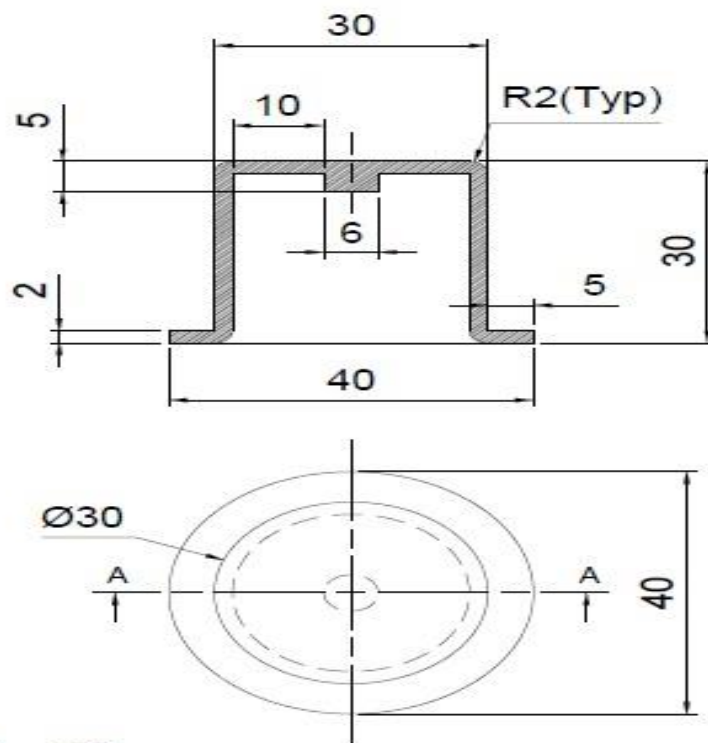
SUBJECT CODE: CP01 06 07P   **MARKS   : 70**

PART - B

Marks : 100
(Scale down to 55)

1.0 Design a Two Cavity Three Plate Mould for the given component ?

MATERIAL   : PP
SHRINKAGE : 1.5

MARKS DISTRIBUTION :

FUNCTION	50
VIEWS	25
CALCULATION	10
BILL OF MATERIAL	10
APPEARANCE	5
TOTAL	**100**