

## NETTUR TECHNICAL TRAINING FOUNDATION **DIPLOMA IN TOOL ENGINEERING & DIGITAL MANUFACTURING - CP01 IV SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JULY 2023**

Subject: Press Tool Technology Subject Code: CP01404T	Total Time: 2 Hr Total Marks: 50
PART B	
<b>1.0 ANSWER ANY EIGHT OF THE FOLLOWING</b>	2*8=16
1.1 What is shut height of a press?	
1.2 What are the different types of dieset used in Press tools?	
1.3 What are the different types of bending tools?	
1.4 Why component produced in compound tool will be identical?	
1.5 Write short note about neutral fibre	
1.6 Name the different forces acting in fine blanking operation.	
1.7 Why air vents are provided in drawing operation?	
1.8 List out any 4 forming operations.	
1.9 Mention the purpose of curling done on the edge of a component.	
1.10 Mention the two ways to make V-ring in fine blanking tool.	
2.0 ANSWER ANY SIX OF THE FOLLOWING	3*6=18
2.1 Explain the parts of a die set	
2.2 List the sequence of operations in fine blanking process.	
2.3 Explain planishing tool with a neat sketch.	
2.4 Explain bend elements with a neat sketch	
2.5 Differentiate between forward and backward extrusion with sketc	h.
2.6 How a combination tool differ from a compound tool?	
<b>A</b>	

2.7 Explain the different forces acting on a drawn component

2.8 Explain the effect of burr side of a blank while going for bending?

## **3.0 ANSWER ANY FOUR OF THE FOLLOWING**

- 3.1 What are the advantages of using a dieset in a press tool?
- 3.2 Explain with neat sketch the construction and working of compound tool
- 3.3 Differentiate between Embossing and Coining operations
- 3.4 What are the different forging defects? Explain any two.
- 3.5 Mention the different types of steels as per the AISI classification.
- 3.6 Draw the neat sketch of u-bending tool & mention its parts

4\*4=16