

NETTUR TECHNICAL TRAINING FOUNDATION
DIPLOMA IN TOOL ENGINEERING & DIGITAL MANUFACTURING– CP01
III SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JAN 2023

Subject: Press Tool Technology
Subject Code: CP01310T

Total Time: 2 Hr.
Total Marks: 50 Marks

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING

2*8=16

- 1.1 Define blanking & piercing
- 1.2 What are precious & rarer metals?
- 1.3 What is burr side?
- 1.4 What is the purpose of screws?
- 1.5 Write the importance of land in press tools
- 1.6 Write the formula for finding economy factor
- 1.7 How the punches are classified?
- 1.8 What is the main functions of a stripper?
- 1.9 What is registry position?
- 1.10 Write the functions of dowels in a press tool

2.0 ANSWER ANY SIX OF THE FOLLOWING

3*6=18

- 2.1 What is cutting off tool?
- 2.2 Write down the importance of cutting clearance
- 2.3 Write down the elements of guide plate tool
- 2.4 What is angular clearance? Mention its purpose in press tool
- 2.5 Define single row two pass layout method
- 2.6 Write a short notes on hybrid punches
- 2.7 What is the difference between fixed and travelling stripper?
- 2.8 Why shank location is very important in a press tool?

3.0 ANSWER ANY FOUR OF THE FOLLOWING

4*4=16

- 3.1 What are the factors decide whether die block should be solid or sectional die block?
- 3.2 What are the different methods of piloting? Explain
- 3.3 Differentiate between direct and indirect knock out system.
- 3.4 Name any 4 types of threaded fasteners and write where they are used?
- 3.5 What are the different types of punches mounted in punch holder?
- 3.6 Explain about theory of shearing

