

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

Subject: Production Technology
Subject Code: CP01105T

Total Time: 2 Hr.
Total Marks: 50

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING **2*8=16**

- 1.1 What are the safety precautions to be followed while working on the drilling machine?
- 1.2 Mention any 4 commonly used hand tools in bench work?
- 1.3 What are the 2 systems of marking?
- 1.4 Name the 4 common types of chisels
- 1.5 Write any 4 examples for machining process
- 1.6 What is the purpose of flute in drill bit?
- 1.7 Explain Side relief angle (SRA)
- 1.8 List down the different types of dies
- 1.9 What is saddle?
- 1.10 What is turning?

2.0 ANSWER ANY SIX OF THE FOLLOWING **3*6=18**

- 2.1 With a neat sketch draw the elements of a file
- 2.2 Explain the purposes of marking
- 2.3 Draw a neat sketch of hammer and label its parts.
- 2.4 Differentiate between shank and flank in a single point cutting tool
- 2.5 Write the drilling defects and causes
- 2.6 Explain counter boring and counter sinking
- 2.7 Define tool post of a lathe and its types
- 2.8 Differentiate between sleeve and socket used in drilling machine

3.0 ANSWER ANY FOUR OF THE FOLLOWING **4*4=16**

- 3.1 Write any 6 causes of accidents
- 3.2 What are the 3 main methods of filing? Explain anyone
- 3.3 Write a short note on types of spanners
- 3.4 Explain about flat scrapers and hook scrapers
- 3.5 With a neat sketch, mark the nomenclature of a twist drill
- 3.6 List down the different types of operation performed on lathe.

