

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

Subject: Mould Technology
Subject Code: CP01502T

Total Time: 2 Hr.
Total Marks: 50 Marks

PART B

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

- 1.1 What are the methods used for relieving internal undercuts?
- 1.2 What is a Single Daylight mould?
- 1.3 What is a Runner less mould?
- 1.4 What is weld line?
- 1.5 What do you mean by Preforms?
- 1.6 Define Bulk factor
- 1.7 Name the different types of Transfer mould
- 1.8 Write down the applications of Blow moulding process.
- 1.9 Which plastic material is used in Reaction injection moulding?
- 1.10 List down any two factors affecting dwell or hold on pressure.

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

- 2.1 Explain about Split core - Straight action method
- 2.2 What are the disadvantages of triple daylight mould design?
- 2.3 What are the Casual factors of Sink marks?
- 2.4 What are the three purpose of designing semi positive compression mould ?
- 2.5 Explain Blow moulding process with neat sketch
- 2.6 Explain Multicolor Injection Moulding with a neat sketch.
- 2.7 List down the parameters of Direct Screw Transfer machine (DST)
- 2.8 Write a short note on break down maintenance.

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

- 3.1 What are the factors considered in compression moulding procedure?
- 3.2 What are the advantages & disadvantages of Transfer moulding?
- 3.3 What are the Advantages of Water Assisted Injection Moulding (WAIM)?
- 3.4 Write the difference between Thermo plastic & Thermoset plastic injection machine.
- 3.5 Briefly explain the different steps involved in MIM process
- 3.6 Differentiate between Hot chamber die casting process and Cold chamber die casting process

