

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

**Subject: Production Technology**  
**Subject Code: CP01402T**

**Total Time: 2 Hr.**  
**Total Marks: 50**

**PART B**

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

- 1.1 Mention two functions of PPE while working with running machineries
- 1.2 Explain briefly about house keeping
- 1.3 State Emergency Control Organisation (ECO) at your work place and justify its role
- 1.4 Explain about masking in nonconventional process
- 1.5 What is the use of transducer in Ultra Sonic Machining?
- 1.6 Describe the purpose Flash Lamp in Laser Beam Machining (LBM)
- 1.7 Name any three abnormal behaviours during a conflict at your Work place
- 1.8 Describe "Maintenance" of Machines
- 1.9 Define additive manufacturing
- 1.10 Name any four Non-conventional Machining Process

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

- 2.1 List down the types of Personal Protective Equipment used at our work places according to usage.
- 2.2 How do you use a fire extinguisher to put out the fire in case of a Fire accident?
- 2.3 List down three advantage of Chemical blanking process
- 2.4 Draw a neat sketch of Abrasive Jet Machining (AJM) process and mention the parts.
- 2.5 State any three principles of TQM
- 2.6 Define Total Productive Maintenance (TPM)
- 2.7 Draw the Functional Chart of the Maintenance Department
- 2.8 State "Breakdown Maintenance" carried down on the machines

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

- 3.1 Explain the different categories of fires and fire extinguishers used.
- 3.2 Explain the Ultra Sonic machining process with a neat sketch.
- 3.3 Define LASER and explain its Applications
- 3.4 List down the advantages of preventive maintenance
- 3.5 List down the different facts required for writing an accident report
- 3.6 List down any three advantages & applications of Ion Beam Machining

