



**DIPLOMA IN AGRICULTURAL ENGINEERING**

**CENTRALIZED QUESTION BANK**

**1023234640 - MACHINE SHOP PRACTICE**

**DIRECTORATE OF TECHNICAL  
EDUCATION GOVERNMENT OF  
TAMILNADU**

**DIRECTORATE OF TECHNICAL EDUCATION, GUINDY, CHENNAI- 600 025**  
**BOARD OF EXAMINATIONS**

**DIPLOMA PRACTICAL EXAMINATIONS – APRIL 2025**  
**REGULATION R 2023**

**SUBJECT CODE: 1023234640**

**COURSE CODE: 1023**

**SUBJECT NAME: MACHINE SHOP PRACTICE**

**SEMESTER: IV**

**MAX MARKS: 100**

**ANSWER ANY ONE QUESTION:**

- 1.Prepare the specimen and make the sheet metal process – rectangular tray.
- 2.Prepare the specimen and make the lap joint by the spot welding.
- 3.Prepare the specimen and make the lap joint by the arc welding.
- 4.Prepare the specimen and make the butt joint by the arc welding.
- 5.Prepare the specimen and make the T joint by the arc welding.
- 6.Prepare the specimen and make the drilling and counter boring as shown in figure.  
Using the upright drilling machine.
- 7.Prepare the specimen and make the step turning by using lathe.
- 8.Prepare the specimen and make the taper turning by using lathe.
- 9.Prepare the specimen and make the plain surfaces as shown in figure. Using the  
surface Grinder.
- 10.Prepare the specimen and make ‘V’ Block as shown in figure using milling machine.

### **ALLOCATION OF MARKS**

<b>Sl. No</b>	<b>DESCRIPTION</b>	<b>MARKS</b>
1	Aim, procedure and sketch	10
2	Job preparation and marking	10
3	Setting and operation	30
4	Dimension and surface finish	10
5	Written test (Theory)	30
6	Viva Voce	10
<b>TOTAL</b>		<b>100</b>