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071504T4WLD

WELDING LEVEL 4

ENG/OS/WEF/CR/02/4/A

Perform TIG Welding in all Positions with Various Metal Work Pieces

March/April 2025

TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL (TVET CDACC)

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PRACTICAL ASSESSMENT

Time: 5 HOURS

INSTRUCTIONS TO CANDIDATE:

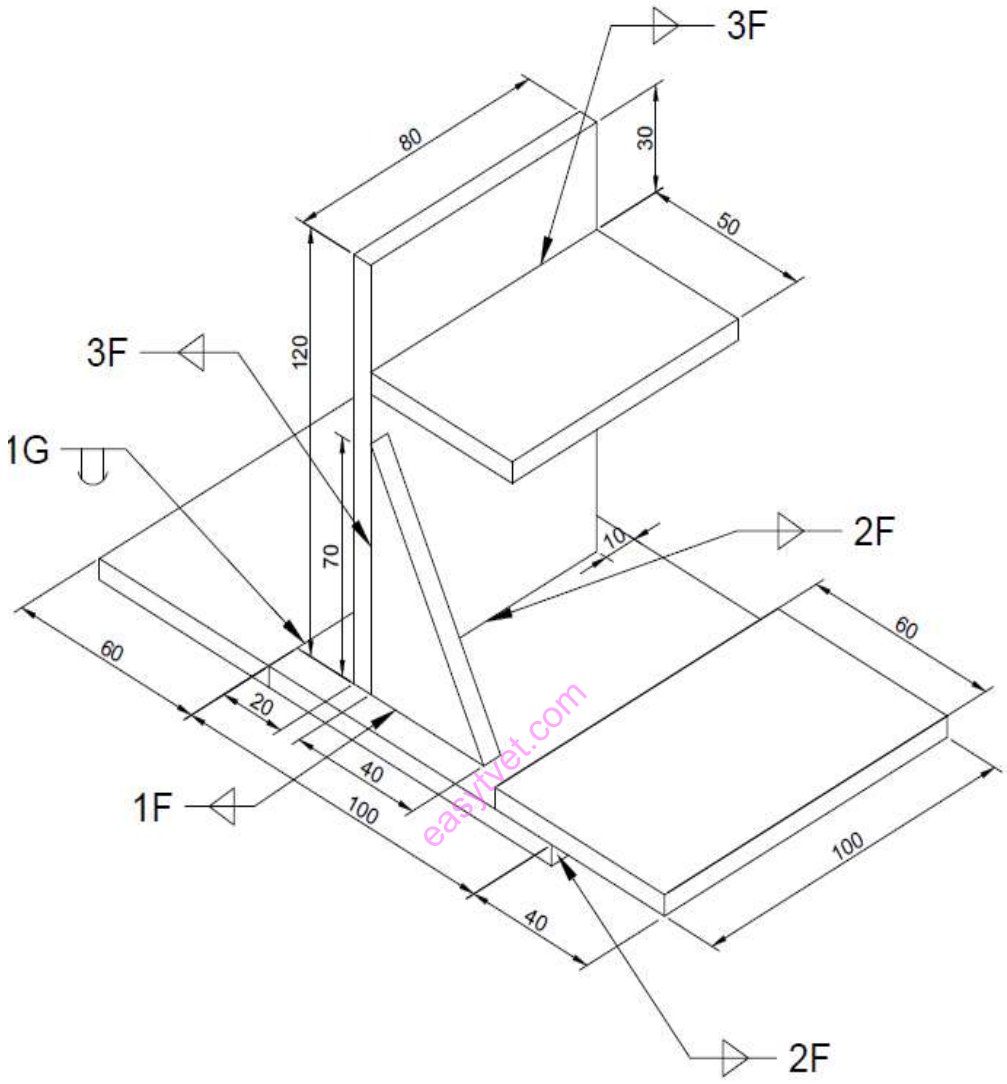
1. You are required to perform the following tasks,
   i. Prepare and weld the component as per the working drawing using TIG welding equipment
2. You have been provided with the following resources for the practical tasks:

- Mild Steel plates
  - 102 × 62 × 4 2 off
  - 102 × 102 × 4 1 off
  - 122 × 82 × 4 1 off
  - 82 × 52 × 4 1 off
  - 72 x 42 x 4 1 off

- Complete TIG Welding Equipment and Accessories
- 2 % Thoriated tungsten electrode (Red tip)
- 2 mm Filler wire code ER 316 approximately 1m
- Welding Helmet
- Leather Gloves
- Pair of tongs
- Welding Table and Fixtures
- Ballpein hammer
- Chipping hammer
- Steel rule
- Assorted files
- Try square
- Pliers
- Wire Brush
- Divider
- Complete Hack saw
- Scriber
- Bench vice
- Assorted Spanner
- Mutton clothe.

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WORKING DRAWING



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NB

- All dimensions are in millimeters (mm)
- Tolerances ±1 mm