

071606T4ABT

AUTOBODY TECHNOLOGY LEVEL 6

ENG/OS/ABT/CC/04/6/A

PERFORM COMPUTER AIDED DRAWING

July/Aug 2023



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

PRACTICAL ASSESSMENT

Time: 5 hours

INSTRUCTIONS TO CANDIDATES

1. Create a folder named **CAD-XXX XXXX** on your desktop, where **XXX XXXX** is your name and registration code. Save all your work in this folder **ONLY**.
2. Save the folder containing your work on the CD provided and clearly indicate your name and registration code on the CD using the marker provided.
3. Print your work on **A4** papers and **indicate your name and registration code on each page**.
4. The assessor will print the command line interface to be handed in together with your work.

This paper consists of FIVE (5) printed pages

Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

Turn over

As an Autobody Technician, you hold a key position within the Drawing and Design Department of our renowned automotive and car accessory design company.

You are required to perform the following tasks:

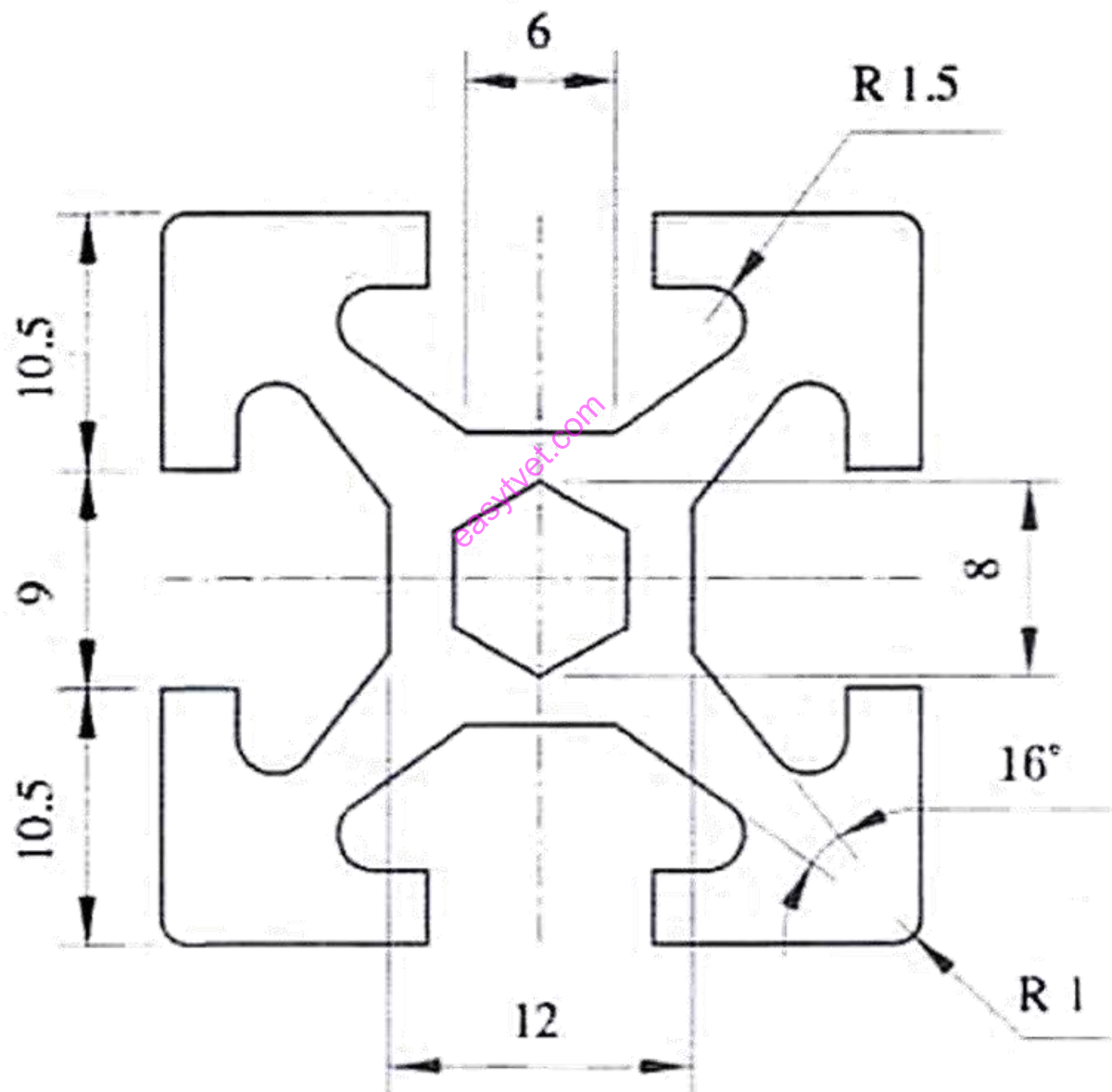
- a) Set the layer properties manager as shown in Table 1 and use the set up to draw the cross-sectional profile of a V-slot shown in **Figure 1**.
- b) Draw in first angle projection the following views of **Figure 2**.
 - i) Front elevation in the direction of arrow A.
 - ii) End elevation
 - iii) Plan
 - Include hidden details and six major dimensions
- c) 3D model the part in **Figure 3** and use viewports to extract **SW Isometric** view and a **conceptual** visual style.

You have been provided with the following tools for these tasks

Tools/Equipment	Materials
- Computer with CAD software installed. - A4 Printer	- CD-RW - Marker pen - A4 papers

Table 1

Layer Name	Colour	Line Type	Line Weight
Outline	Black/Black	Continuous	0.7 mm
Centre line	Green	Centre	Default
Dimension Line	Magenta	Continuous	0.13 mm

**Figure 1.**

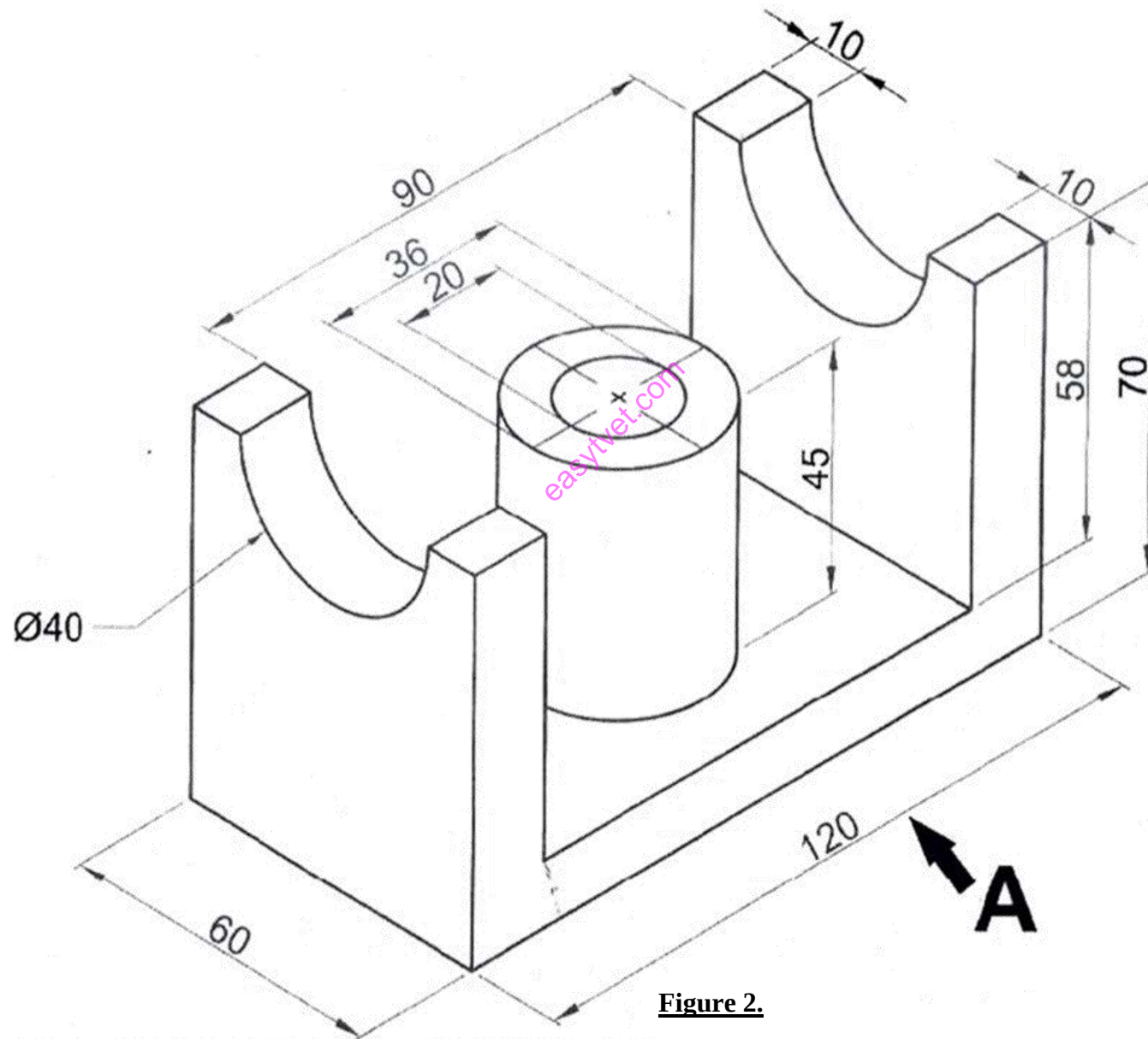


Figure 2.

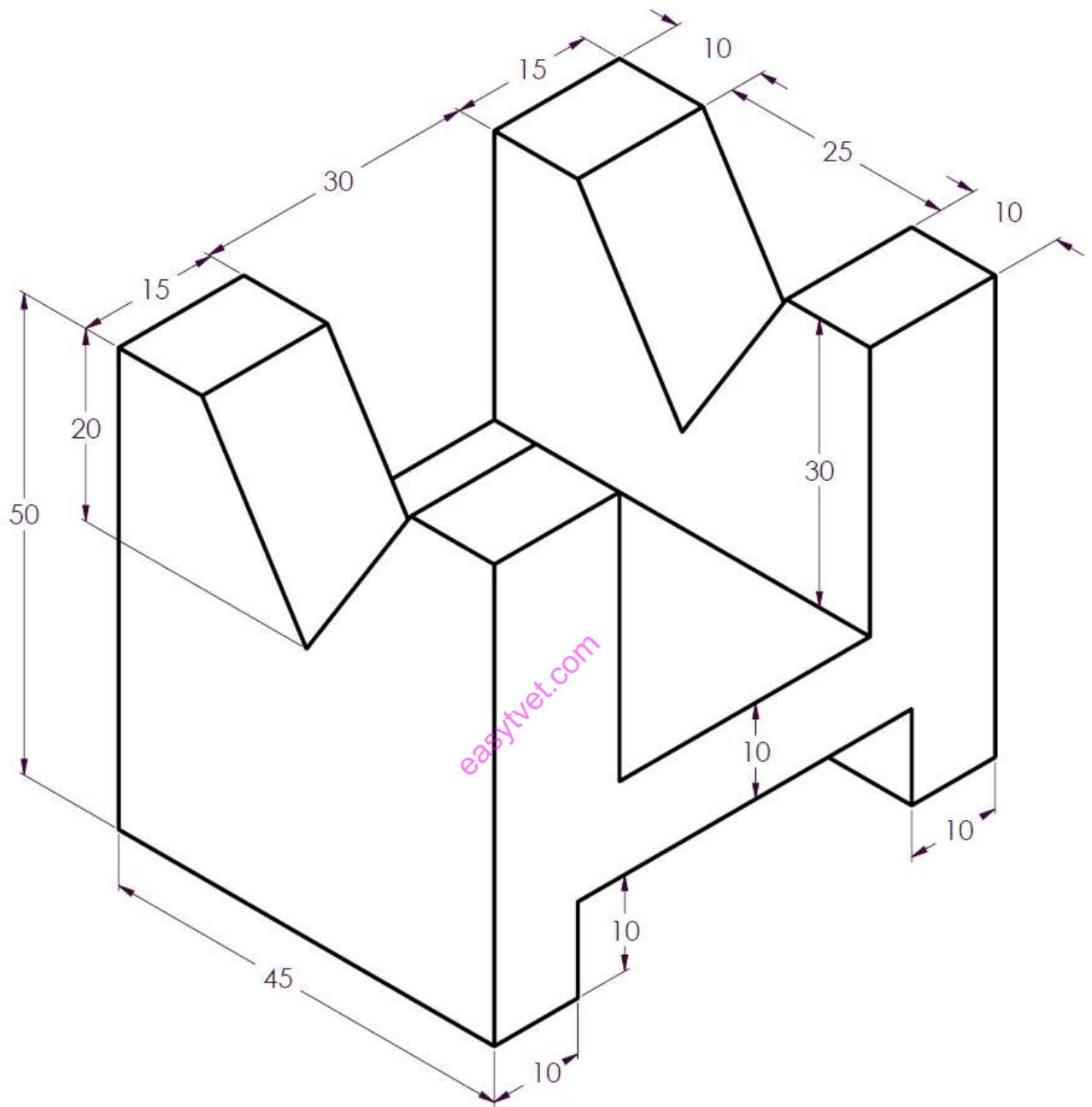


Figure 3.