

073106T4QSV

QUANTITY SURVEYING LEVEL 6

ENG/OS/QS/CR/01/6/A

Conduct Engineering Survey

July/August 2025



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

PRACTICAL ASSESSMENT

Time: 5 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks.
 - i. Demarcate an area of 30m x 30m on an open field and sub-divide the area into smaller squares of 5mx5m.
 - ii. Identify a temporary benchmark position near the plot and mark it out visibly. The T.B.M is 1550.50m.
 - iii. Set up the instrument station.
 - iv. Carry out a detailed grid contour Survey landscaping of the college ground. Read and Book levels at each point of intersection of the square grids in the surveyor's field book.
 - v. Reduce levels using the Height of collimation method.

- vi. Plot the contour grid of the area in classroom choosing a suitable scale and interpolate contours using suitable intervals.
2. You have been provided with the following resources for the practical tasks:
- Dumpy level complete with accessories.
 - Measuring tape (surveyors' tape 30 metres).
 - Surveyors field book/ Calculation sheet.
 - A2 plain drawing papers.
 - Mallet/ hammer.
 - Wooden pegs.
 - Ranging rods.

NOTE

You are allowed to engage one non-candidate assistant during the practical.

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