higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE (VOCATIONAL)

ENGINEERING GRAPHICS AND DESIGN

(First Paper)

NQF LEVEL 3

(6021023)

7 November 2018 (X-Paper)
09:00–11:00

REQUIREMENTS: **A4 drawing sheet**
Computer
Printer/Plotter
CAD program

This question paper consists of 3 pages and 1 diagram sheet.

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TIME: 2 HOURS
MARKS: 25

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
2. Read ALL the questions carefully.
3. Number the answers according to the numbering system used in this question paper.
4. Candidates are responsible, under supervision, for plotting their own drawing answers.
5. Candidates' information must be plotted on the bottom right corner of the page.
6. Unspecified radii must be R3.
7. Use your own discretion where dimensions are NOT given.
8. A balanced layout is very important and candidates will be penalised for poor planning.
9. Work neatly.

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QUESTION 1

The DIAGRAM SHEET (attached) shows a front view of a pipe bracket.

1.1 Draw, to scale 1:1 and on an A4 DRAWING SHEET, a pipe bracket using a suitable CAD program. (8)

1.2 Include any FIVE dimensions on the drawing. (5)

1.3 Insert the QUESTION NUMBER. (1)

1.4 Draw a border line of 10 mm. (2)

1.5 Insert the following information on the bottom right corner of the page:

1.5.1 Title (2)

1.5.2 Scale (2)

1.5.3 EXAMINATION NUMBER (1)

1.5.4 CENTRE NUMBER (1)

1.5.5 Date (1)

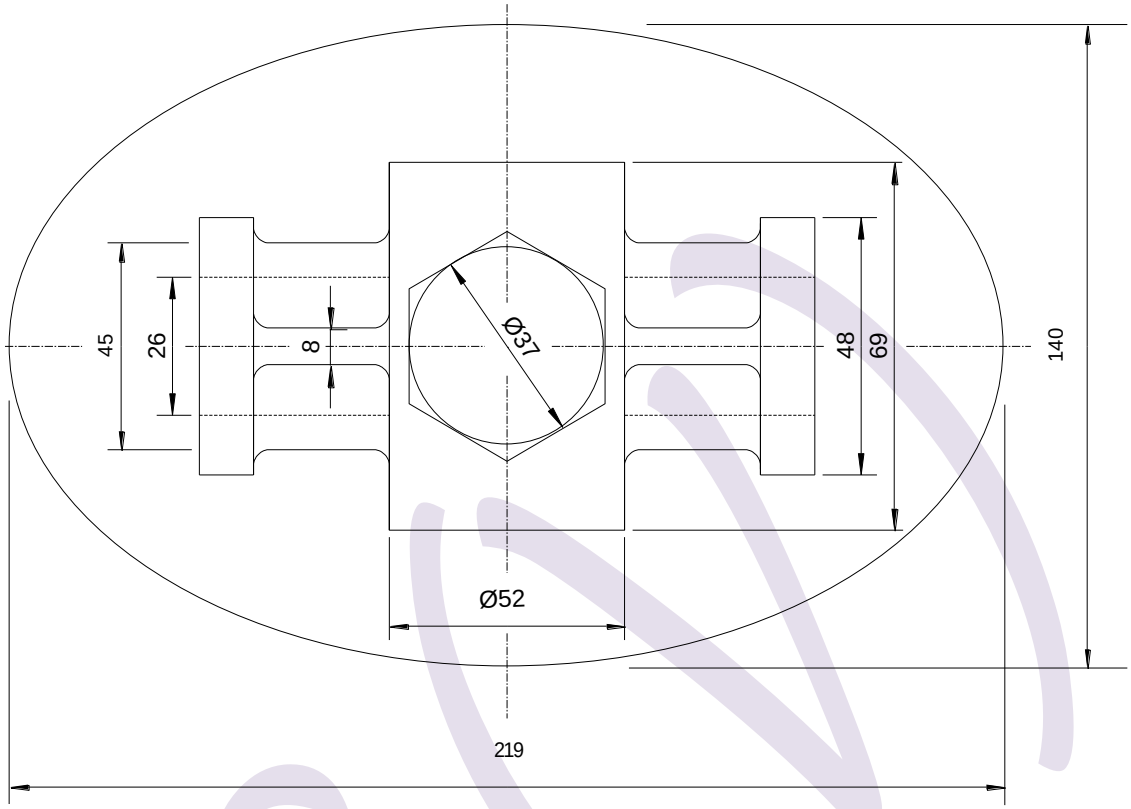
1.6 Accuracy of the sketch (2)

[25]

TOTAL: 25

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DIAGRAM SHEET



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