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)

26 February 2018 (X-Paper)
09:00–11:00

REQUIREMENTS: **A4 drawing sheet**
Computer and 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. A balanced layout is very important and candidates will be penalised for poor planning.
4. Candidates will be responsible, under supervision, for plotting of their own drawings.
5. Candidates' information must be plotted on the bottom right corner of the page.
6. Use your own discretion where dimensions are NOT given.
7. Write neatly and legibly.

NCV

QUESTION 1

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

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

1.2 Include any FOUR dimensions on the drawing. (4)

1.3 Section the pulley. (2)

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 Student number (1)

1.5.4 Centre number (1)

1.5.5 Date (1)

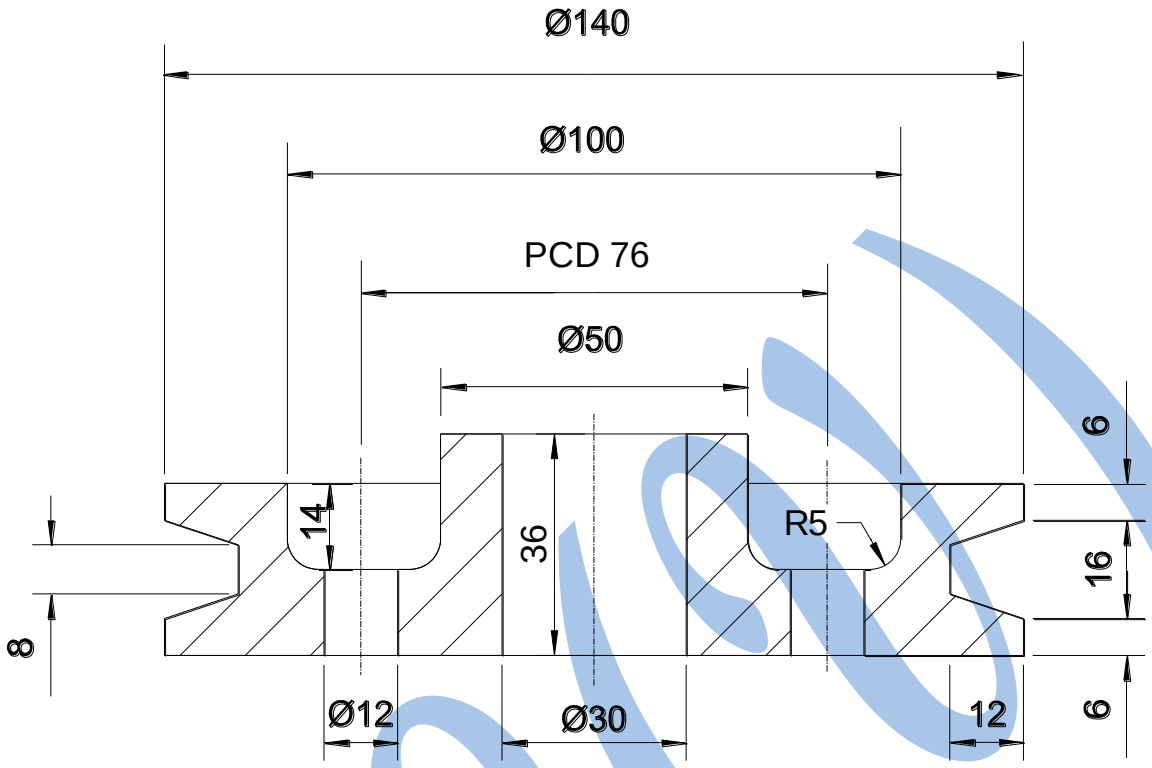
1.6 Accuracy of the sketch (2)

[25]

TOTAL: 25

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DIAGRAM SHEET



FRONT VIEW OF A PULLEY

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