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 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

A DIAGRAM SHEET (attached) shows a view of a CONTROL PLATE.

1.1 Draw the CONTROL PLATE using a suitable CAD programme, to scale 1:1 on an A4 drawing sheet. (8)

1.2 Include any 5 dimensions on the drawing (5)

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

1.4 Print 1 at the top left-hand corner to indicate the question number. (1)

1.5 Print the title and scale centrally beneath the drawing. (4)

1.6 Insert the following information at the bottom right hand corner of the page.

1.6.1 Examination Number

1.6.2 Centre Number

1.6.3 Date

(3 × 1) (3)

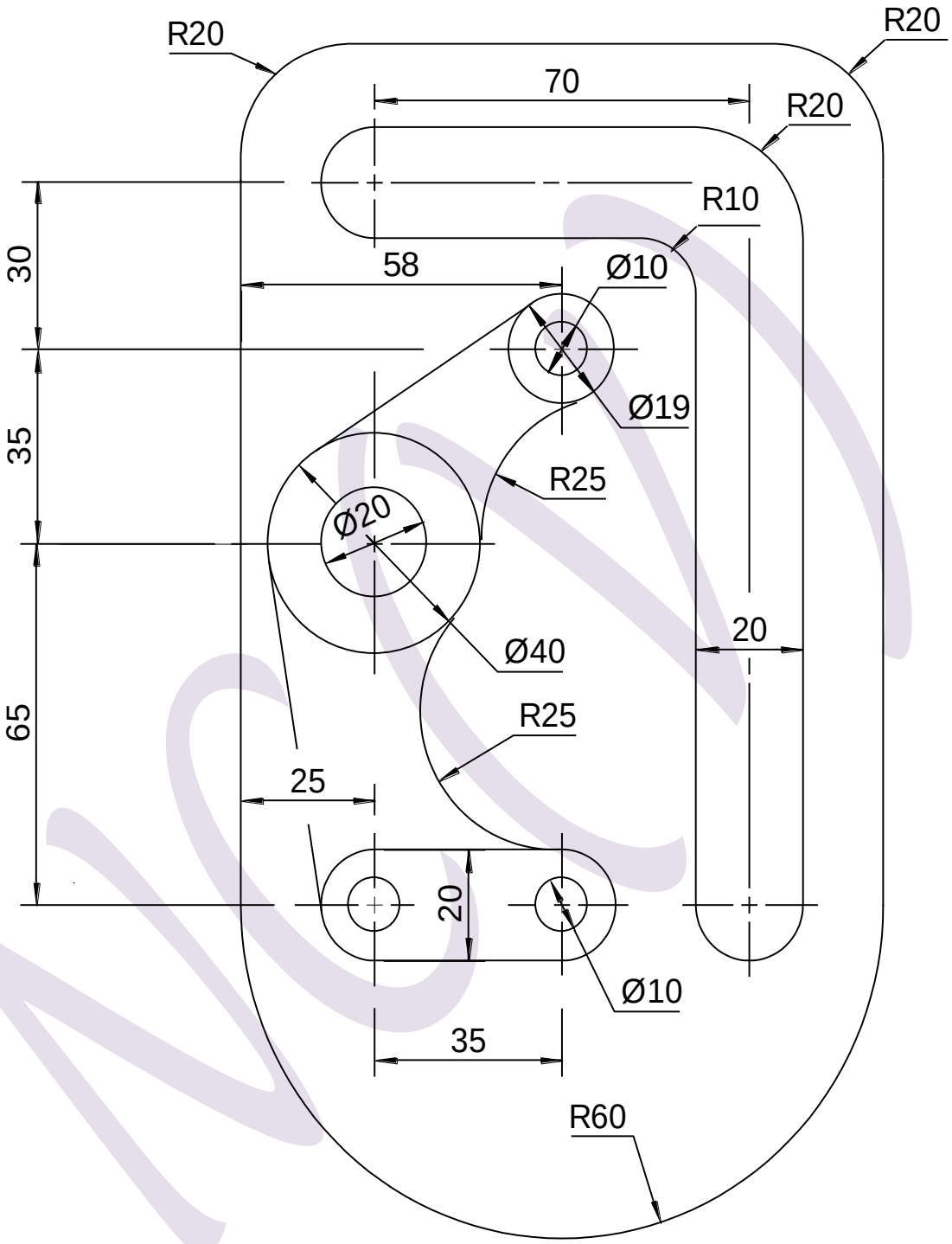
1.7 **NOTE:** TWO marks will be given for the accuracy of the sketch (2)

[25]

TOTAL: [25]

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DIAGRAM SHEET



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