



Question Paper Brief

National 5 Engineering Science C723 75

This edition: November 2015 (version 1.0)

This document may be reproduced in whole or in part for educational purposes provided that no profit is derived from reproduction and that, if reproduced in part, the source is acknowledged. Additional copies can be downloaded from SQA's website at www.sqa.org.uk.

Note: You are advised to check SQA's website (www.sqa.org.uk) to ensure you are using the most up-to-date version.

© Scottish Qualifications Authority 2015

Question Paper Brief — National 5 Engineering Science

Marks: 90

Duration: 1 hour 30 minutes

Sections: 2

- ◆ Section 1 is short answer question — 20 marks
- ◆ Section 2 is structured, context-based questions (some of which will integrate content from across the Course) — 70 marks

Proportion of 'A' and 'C' type questions:

- ◆ approximately 30% of marks 'A' type
- ◆ approximately 50% of marks 'C' type (primarily in Section 1)

Structure:

Area	Range of marks
Systems	5–7
Energy	5–8
Engineering roles	3–5
Engineering impacts	5–7
Analogue — diagrams and components	13–18
Analogue — electrical circuit including the use of Ohm's law based calculations	
Analogue — voltage dividers	
Analogue — transistors	
Digital — logic	7–9
Digital — microcontroller systems	
Digital — flowcharts/programming	7–9
Drive systems	7–10
Pneumatics	7–9
Structures/forces	7–9
Materials	6–8