



Question Paper Brief

Higher Engineering Science C723 76

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 — Higher Engineering Science

Marks: 90

Duration: 2 hours

Sections: 2

- ◆ Section 1 is short answer question — 20 marks
- ◆ Section 2 is structured, context-based questions — 70 marks
(Section 2 contains four questions [2x20 marks and 2x15 marks] and integrates content from across the Course.)

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
Course themes (systems approach, energy and efficiency)	10–15
Engineering roles and disciplines, impacts of engineering	10–15
Analogue electronic control systems	15–18
Digital electronic control systems	15–18
Drive systems and pneumatics	10–15
Structures and forces	15–18
Materials	8–10