FOR OFFICIAL USE

X036/702

NATIONAL QUALIFICATIONS 2007

FRIDAY, 1 JUNE
1.00 PM – 4.00 PM

TECHNOLOGICAL STUDIES
ADVANCED HIGHER
Worksheets for Questions 3, 4 and 7
Information Sheets for Questions 7 and 8

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Date of birth
Day Month Year

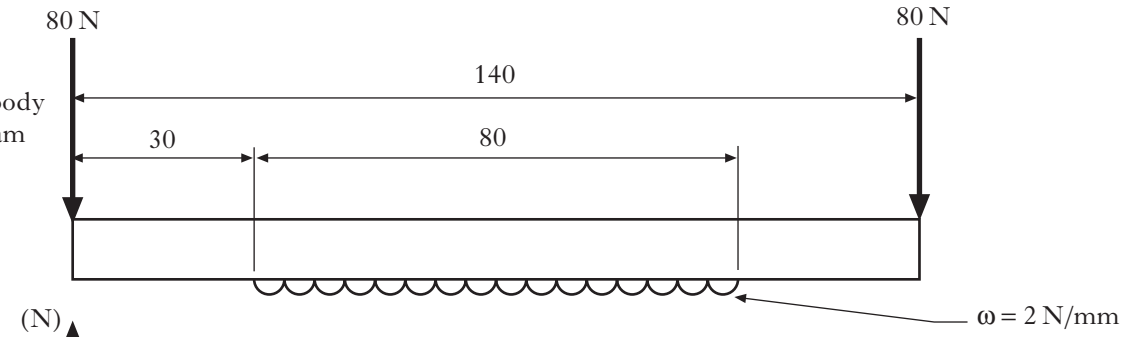
Scottish candidate number

Number of seat

To be inserted inside the front cover of the candidate's answer book and returned with it.

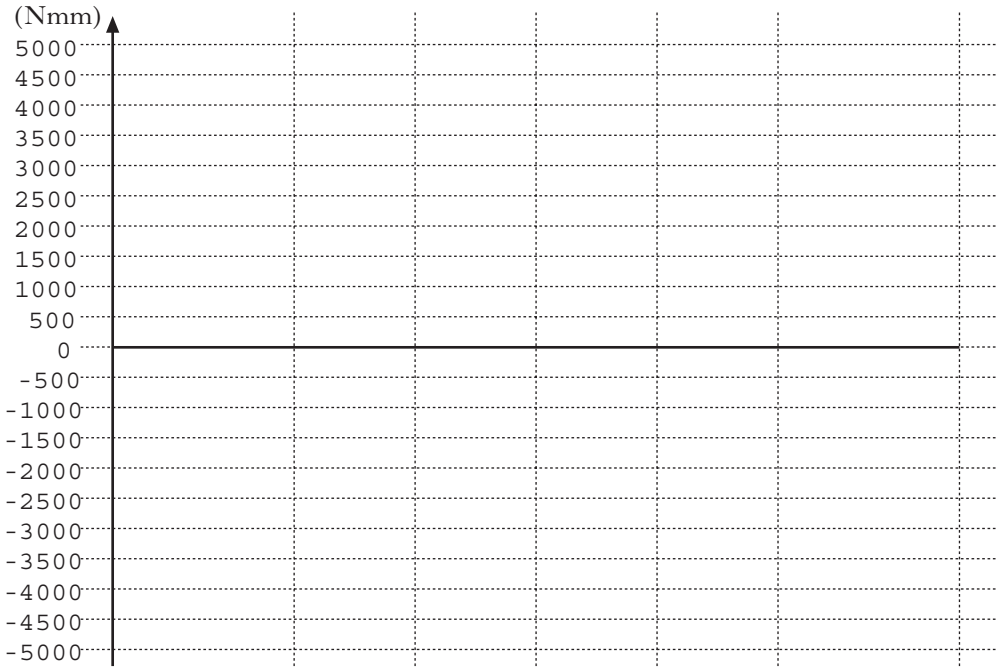
WORKSHEET Q3

Free-body Diagram



Shear-Force Diagram

Bending-Moment Diagram



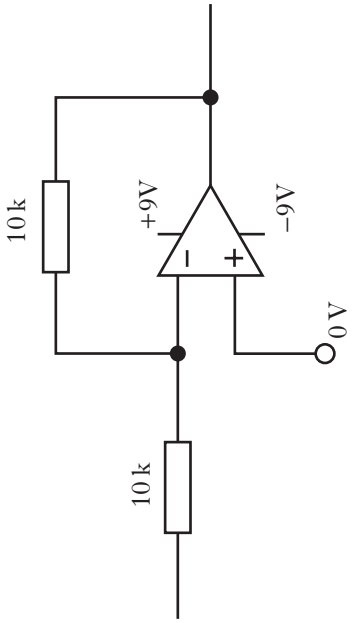
Distance from left-hand end (mm)	0	30	50	70	90	110	140
Bending moment (Nmm)							

WORKSHEET Q4

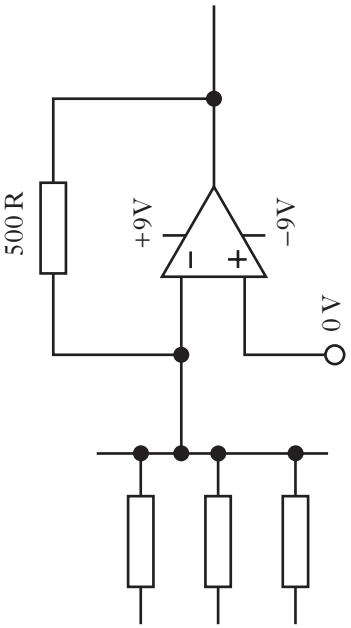
INFORMATION SHEET Q7

Library of Components

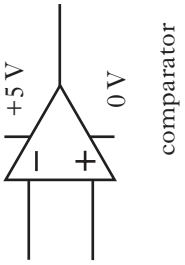
AND gate



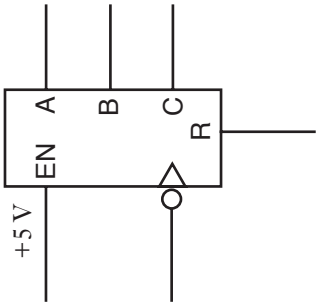
Inverting amplifier



summing amplifier



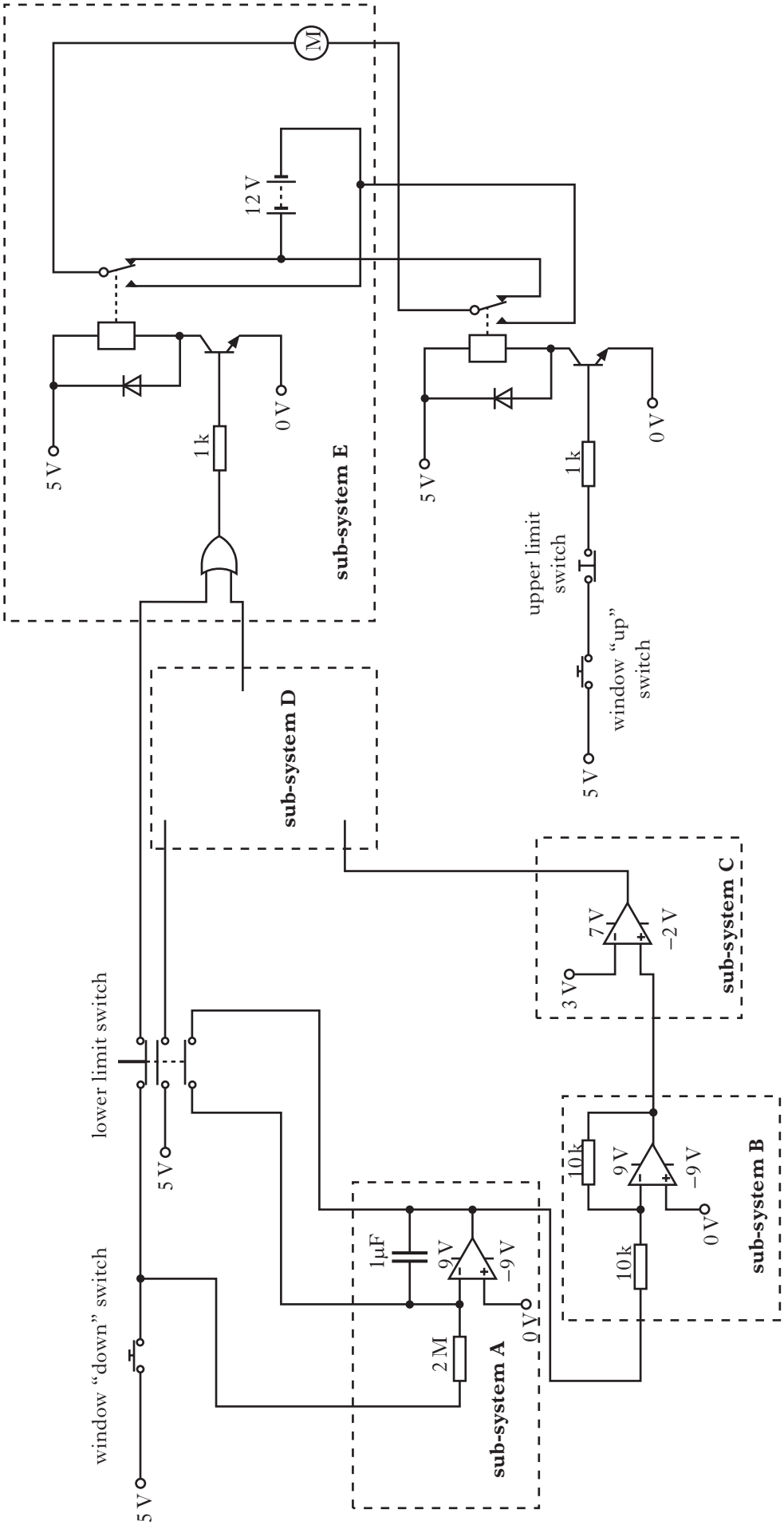
comparator



3-bit binary counter

WORKSHEET Q7

INFORMATION SHEET Q8



[*END OF WORKSHEETS AND INFORMATION SHEETS*]

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