



National 5
Coursework
Assessment Task



National 5 Engineering Science Assignment – worksheets

Mail sorting depot

Specimen – valid from session 2024-25 and until further notice
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This edition: September 2024 (version 2.0)

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Introduction

This document contains worksheets for candidates to use for the specimen National 5 Engineering Science assignment. They must be used in conjunction with the assignment document.

Instructions for candidates

This document contains the worksheets that you need for the current assignment. The assignment document tells you when you need to use a worksheet. Worksheets must be completed single-sided, with nothing written on the back.

Anything you handwrite or draw must be in blue or black permanent ink only.

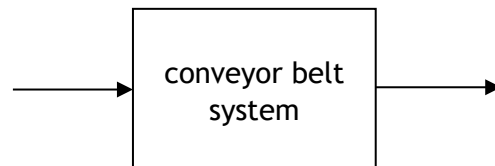
Task 1b – worksheet 1b

Planned tests	Actual results	Amendments made
Switch the master switch on and check that the conveyor belt motor turns		
After the motor has been running for a few seconds, switch the master switch off and check that the conveyor belt motor stops		
Repeat the above processes several times to check that the system restarts and is repeatable		

Scottish Candidate Number:

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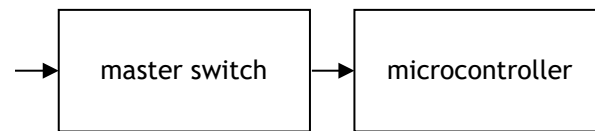
Task 2a(i) – worksheet 2a(i)



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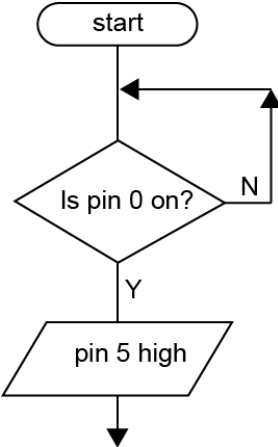
Task 2a(ii) – worksheet 2a(ii)



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Task 2b – worksheet 2b



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Task 4a – worksheet 4a

Planned tests	Actual results	Amendments made

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Task 5a – worksheet 5a

light sensor
(input A) ○

manual switch
(input B) ○

lamp
○ (output Z)

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Task 5b – worksheet 5b

A	B	Z (expected results)
0	0	
0	1	
1	0	
1	1	

Task 5d – worksheet 5d

A	B	Z (actual results)
0	0	
0	1	
1	0	
1	1	

Scottish Candidate Number:

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Administrative information

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History of changes

Version	Description of change	Date
2.0	Worksheets moved from assignment document to freestanding document.	September 2024

Security and confidentiality

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