



the LED

12 Pages

1. Please give the information requested in the boxes below.
2. Enter your name in the space provided to the right, fold over and seal down (using the label provided) to hide your name.
3. The answers must be legibly written. The Examiners can either ignore illegible script or have it re-written at the discretion of the Examiners. The cost of re-writing is charged to the candidate.
4. Write your answers in ink.
5. Begin each answer on a fresh page. Do all rough work in the answer book and cross it through.
6. No part of this book is to be torn out; it must be handed in complete.
7. If more books than one are used, fasten them together using the tags available from the invigilator(s).
8. **Every book must be handed in. In no circumstances may answer books, used or unused, be taken out of the examination venue.**

List the numbers of the questions you have attempted	Office Use
Q1	25
Q2	25
Q3	10
Q4	14 1/2
Total	74 1/2

(Gweler yr ochr arall am y fersiwn Cymraeg)

$$\frac{74\frac{1}{2}}{100}$$

PLP
13/5/26

$$\frac{74\frac{1}{2}}{100}$$

(3b) When the button is Pressed the LED Switches

1 ✓

(+9) ✓
from
MS work

$\frac{10}{25}$ ✓

(4a) When the button is Pressed the LED is turned On and the Virtual Terminal displays 'LED ON!'. When the button is released the LED is turned OFF and the Virtual Terminal displays 'LED OFF!'

4

(4f) The Switch Will Float, Not allowing the Microcontroller to know what state it is in.

It will Cause interference.

2 ✓

$$\frac{14\frac{1}{2}}{25}$$

+8.5
from
MS word ✓

From the
MS word
document

$$Q_1 \frac{25}{25} ✓$$

$$Q_2 \frac{25}{25} ✓$$



Question No.

Examiner Only



Arholwr yn unig

Rhif y Cwestiwn