



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 illenible script or have it typed and the expense of typing 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
1	1 1
4	2 2
3	1 1
Total	4 4

(Gweler yr ochr arall am y fersiwn Cymraeg)

Complete, fold and seal
(see note 2 below)

SURNAME: Jones

FORENAME(S): Morgan

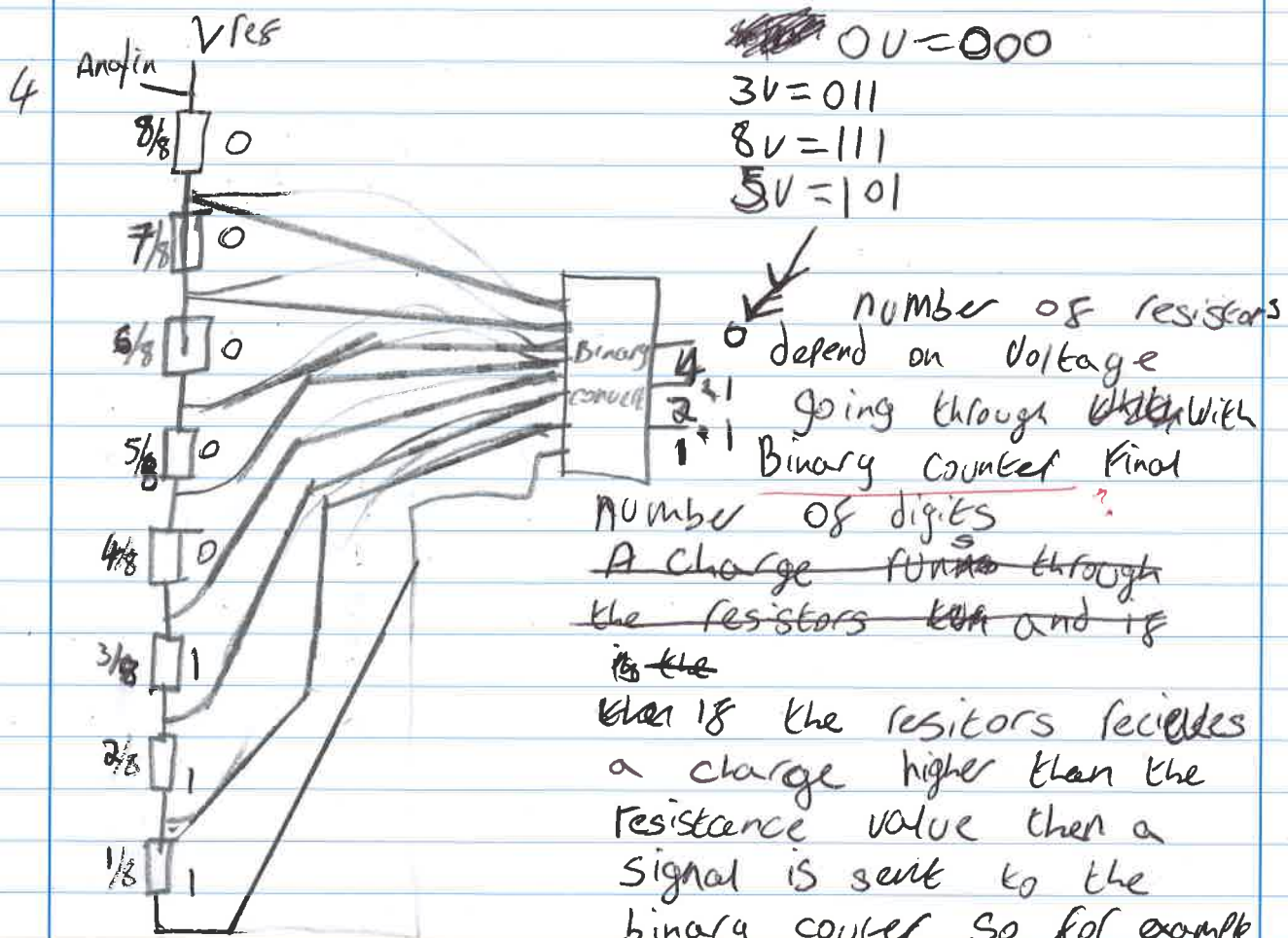
1. CLRF - Clear File - Clear the ~~space~~ page

16 BTFS - Bit ~~lost~~ File Safe ^{secret} ~~secret~~ - lost file ~~secret~~ on pic

1c Return - Once program completed go back to beginning

1d MOV LW - Move

te INCR - include file ~~in~~ ~~join~~



WHERE ARE THE COMPARATORS?

How CAN YOU COMPARE THE ANALOGUE INPUT WITH A REFERENCE WHEN THEY ARE CONNECTED TOGETHER?

how many ^{Agree} resistors send a signal in this case if ~~the~~ ~~only~~ the output is 011

3V means that resistors 1, 2 and 3 send a signal to the counter the counter shows ~~not that~~ a 0

or 1 depending on

$$\begin{array}{r} 011 \\ \hline 421 \end{array}$$

3 source current means that the ^{pin} ~~pin~~ is able to find a current inside of a device. ~~Whereas whereas there is~~ and a sink current means that the ~~pin~~ reduces the amount of current going through a device.

Very poor