

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
Cambridge International Diploma in ICT  
Advanced Level

**AUTOMATION**

**5208/A**

Optional Module: Practical Assessment

2005

No Additional Materials are required

**1 hour  
and 15 minutes reading time**

**READ THESE INSTRUCTIONS FIRST**

Candidates are permitted **15 minutes** reading time before attempting the paper.

Make sure that your name, centre number and candidate number are shown on each printout that you are asked to produce.

Carry out **every** instruction in each task.

Tasks are numbered on the left hand side of the page, so that you can see what to do, step by step. On the right hand side of the page for each task, you will find a box which you can tick (✓) when you have completed the task; this checklist will help you to track your progress through the assessment.

Before each printout you should proof-read the document to make sure that you have followed all instructions correctly.

At the end of the assignment put **all** your printouts into the Assessment Record Folder.

This document consists of **2** printed pages.

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UNIVERSITY of CAMBRIDGE  
International Examinations

**[Turn over**

You are working for the Transport Department in the City of Tawara Beach and you are going to look at automating some of their processes involved in introducing the congestion charge.

- |   |  |                               |                |
|---|--|-------------------------------|----------------|
| 1 | You are going to prepare passes which can be displayed by drivers who are entitled to a discount on the congestion charge when they drive into the city. Load the file <b>AAUA5PAS.TXT</b> | ✓<br><input type="checkbox"/> | 1.1.1          |
| 2 | Insert merge codes in place of the text <owner>, <registration> and <area>, so that the information will be obtained from the file <b>AAUA5CAR.CSV</b> when these 2 files are merged.      | <input type="checkbox"/>      | 1.1.2          |
| 3 | Insert a field in place of the text <comment> which will prompt the user to fill in the information when these 2 files are merged.   | <input type="checkbox"/>      | 1.1.3<br>1.1.4 |

*Drivers whose cars run on LPG are entitled to a special discount.*

- |    |  |                          |                         |
|----|--|--------------------------|-------------------------|
| 4  | Use a field to add the text <b>No charge – vehicle uses LPG</b> at the end of the pass only if <i>LPG</i> is <b>yes</b>  | <input type="checkbox"/> | 1.2.1<br>1.2.2          |
| 5  | Merge the files, selecting only records where <i>Area</i> is <b>Tambo</b><br><br>When prompted, enter <b>Tawara welcomes cleaner drivers</b> as the comment.   | <input type="checkbox"/> | 1.1.5<br>1.2.2          |
| 6  | Print only the result for records 1, 2 and 3.  | <input type="checkbox"/> | 2.1.1                   |
| 7  | Print a copy of the master document, showing the merge codes.  | <input type="checkbox"/> | 2.1.1                   |
| 8  | Using suitable software, create a menu system or other facility which will enable the user to do the following: <ul style="list-style-type: none"> <li>• choose between a penalty charge notice or a receipt for payment</li> <li>• print the chosen document, merged with details from a specified record.</li> </ul> <p>The text for the receipt will be found in <b>AAUA5REC.TXT</b> and the text for the penalty notice will be found in <b>AAUA5PEN.TXT</b></p> | <input type="checkbox"/> | 1.3.1<br>1.3.2<br>1.3.3 |
| 9  | Print a receipt for car registration number <b>1038JRY</b>   | <input type="checkbox"/> | 2.1.1                   |
| 10 | Print a penalty notice for car registration number <b>320FGR</b>   | <input type="checkbox"/> | 2.1.1                   |
| 11 | Print out evidence of the methods used to: <ul style="list-style-type: none"> <li>• choose between a penalty charge notice or a receipt for payment</li> <li>• select a particular car from all the cars for each document</li> </ul>  | <input type="checkbox"/> | 2.1.1                   |

These could be listings of macros and/or form documents showing merge or selection codes.

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You are working for the City of Tawara Beach in the transport department and are going to look at automating some of the processes used to administer the car sharing scheme..

- |   |  |                               |                |
|---|--|-------------------------------|----------------|
| 1 | You are going to prepare letters which will be sent to people who have offered a lift. Load the file <b>AAUB5LET.TXT</b>   | ✓<br><input type="checkbox"/> | 1.1.1          |
| 2 | Insert merge codes in place of the text <name>, <area> and <registration>, so that the information will be obtained from the file <b>AAUB5PPL.CSV</b> when these 2 files are merged. | <input type="checkbox"/>      | 1.1.2          |
| 3 | Insert a field in place of the text <Message> which will prompt the user to fill in the information when these 2 files are merged.   | <input type="checkbox"/>      | 1.1.3<br>1.1.4 |

All drivers in the Beachhead area can claim a free coffee when offering a lift.

- |   |  |                          |                |
|---|--|--------------------------|----------------|
| 4 | Use a field to add the text <b>Claim your free coffee with this letter!</b> as a new paragraph before <i>Yours sincerely</i> only if Area is <b>Beachhead</b>  | <input type="checkbox"/> | 1.2.1<br>1.2.2 |
| 5 | Merge the files, selecting only records where <i>Offering</i> is <b>yes</b><br><br>You will need to enter <b>Thanks for reducing congestion in Tawara Beach!</b> for the <i>Message</i> field when prompted. | <input type="checkbox"/> | 1.1.5<br>1.2.2 |
| 6 | Print the result for the first 3 records.  | <input type="checkbox"/> | 2.1.1          |
| 7 | Print a copy of the master document, showing the merge codes.  | <input type="checkbox"/> | 2.1.1          |

People who regularly offer lifts will be allowed to park free of charge on certain days and will also be offered a small discount on the cost of petrol.

- |    |   |                          |                         |
|----|---|--------------------------|-------------------------|
| 8  | Using suitable software, create a menu system or other facility which will enable the user to do the following: <ul style="list-style-type: none"> <li>• choose between a parking voucher and a petrol discount voucher</li> <li>• print the chosen document, merged with details from a specified record.</li> </ul> <p>The text for the parking voucher will be found in <b>AAUB5PAR.TXT</b> and the text for the petrol voucher will be found in <b>AAUB5PET.TXT</b></p> | <input type="checkbox"/> | 1.3.1<br>1.3.2<br>1.3.3 |
| 9  | Print a parking voucher for car with registration <b>B30104</b>   | <input type="checkbox"/> | 2.1.1                   |
| 10 | Print a petrol voucher for car with registration <b>J13970</b>  | <input type="checkbox"/> | 2.1.1                   |
| 11 | Print out evidence of the methods used to: <ul style="list-style-type: none"> <li>• choose between a parking voucher and a petrol discount voucher</li> <li>• select a particular car from all the cars for each document</li> </ul>  | <input type="checkbox"/> | 2.1.1                   |

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