GCE O Level
1 hr

Cambridge Assessment International Education

Cambridge O Level

Candidate name: Ms

Centre number: | | | | | | | Candidate number: | | | | |

COMPUTER SCIENCE 2210/21

Paper 21 Practical Skills

1 hour 30 minutes

In addition to the candidate's own paper:

Computer with access to:
- Python 3.9.5
- Text editor such as Notepad, Text Edit, Gedit, Mousepad, Kate, Kwrite, Nano, Vim
- Python IDE such as IDLE, Thonny, Mu, Geany, Ninja, Eric, Spyder, Pycharm, Wing, Komodo, Idea, Eclipse
- Internet access to the Cambridge Python environment
- Screen capture software
- Zip file software

Additional materials:
- Data files as specified in the paper
- Screen capture software
- Zip file software

INSTRUCTIONS

- Answer all questions.
- Use a text editor to write the source code for your programs.
- Save your source code in a folder/directory on the computer's desktop.
- Save your screen capture in a folder/directory on the computer's desktop.
- Save your zip file in a folder/directory on the computer's desktop.
- Do not use the Internet.
- Do not use any other software.

INFORMATION

- The total mark for this paper is 75.
- The number of marks for each question or part question is shown in brackets [ ].
- You are reminded that candidates will be expected to use good programming practice.

For examiner's use:

Examiner's initials	
Total	

For examiner's use: Number of pages in this paper are checked

Examiner's initials

[Turn over]

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1 (a) State whether each of stages 1 to 4 in the diagram are sequence, selection or iteration.

Stage 1 [illegible]

Stage 2 [illegible]

Stage 3 [illegible]

Stage 4 [illegible]

[illegible]

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1 (b) Complete the diagram below to show the flow of the program. Use the words in the boxes to show the order of the program.

Program pseudocode for cash transactions

Initialise balance to value from file balance.txt
Initialise transactions to value from file transactions.txt
Initialise transactions to value from file transactions.txt
Initialise transactions to value from file transactions