

Questions

21N.1.HL.TZ0.7

A group of programmers are involved in creating a new software product. They create many new sub-programs but also use existing sub-programs within the product.

a. Outline why a sub-program is considered an example of abstraction. [2]

b.

Evaluate the use of designing and developing different parts of software products concurrently.

[3]

c. Outline **one** way in which users can be informed of software updates. [2]

17N.1.HL.TZ0.10

An application package used in an office includes a word processor.

The office manager decides to buy and install new software and hardware.

The changeover to the new system can be achieved by either direct changeover or phased conversion.

The new software allows basic text summaries and analysis to help check text files, including functions such as calculating word frequency.

a.

Describe how a spellchecker checks whether a word in a text file is correctly spelt or not.

[2]

b.

Outline **one** problem that may arise from the installation of new hardware and software in the office.

[2]

c. Compare direct changeover and phased conversion. [4]

d. Identify **one** way of testing this software. [1]