Software – 2020 O Level 2210

1. June/2020//Paper_11/No.9a,b,c

    Programs can be written in a low-level language.

    (a) Identify **three** features of a low-level language.

    Feature 1 ....

    Feature 2 ....

    Feature 3 ....

    [3]

    (b) Give **two** examples of a low-level language.

    Example 1 ....

    Example 2 ....

    [2]

    (c) Give **one** drawback of writing programs in a low-level language, instead of a high-level language.

    ....

    .... [1]

    (d) A low-level language needs to be converted to binary before it can be processed by a computer.

    (i) Give the **8-bit binary** value of the two denary values:

    180 ....

    201 ....

    [2]

    Working space

    ....

    ....

    ....

    ....

2. June/2020//Paper_12/No.2b

Both an interpreter and a compiler can be used when writing a program in a high-level language.

(a) Explain why a programmer would make use of both an interpreter **and** a compiler.

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.... [4]

(ii) Give the **12-bit binary** value of the denary value **250**.

.... [1]

Working space

....

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....

(iii) Binary can be represented as hexadecimal to make it easier to read.

Give the **hexadecimal** values of the 8-bit binary values:

10010011 ....

00011101 ....

[2]