

7 (a) The following binary addition is performed using 8-bit registers.

Complete the calculation using binary addition.

$$\begin{array}{r} 10000111 \\ + 00111001 \\ \hline \end{array}$$

[1]

(b) A computer uses the Unicode character set.

State the number of bits used to store **one** character from the Unicode character set.

..... [1]

(c) ASCII is another character set. The ASCII value for the character 'h' has the denary value 104.

(i) Write the Binary Coded Decimal (BCD) value for the ASCII character 'h'.

..... [1]

(ii) Write the hexadecimal value for the ASCII character 'h'.

..... [1]