Do not Google answers - use the syllabus definitions where needed. The ones you get from Google are too complex and don't apply to a GCSE course properly
01 Convert the decimal number 121 into binary. Write your answer as an 8-bit binary number.
[1 mark]
$\qquad$

02 Convert the hexadecimal number 3C into binary. Write your answer as an 8-bit binary number.
$\qquad$
$\qquad$

03 Add together the following three binary numbers and give your answer in 8 bit binary

$$
\begin{array}{r}
10110001 \\
00010011 \\
+\quad 00100101 \\
\hline
\end{array}
$$

04 State the arithmetic effect of applying a left binary shift of three to a binary number.

05 Define the term sampling resolution in the context of representing sound digitally.
$\qquad$
$\qquad$

06 Define the term colour depth in the context of representing images digitally.
$\qquad$
$\qquad$

07 The keyboard character \& (an ampersand) is represented in ASCII code as 038. What will its representation be in Unicode? Do not Google this - syllabus knowledge point from Unit 3.3.5

