Hexadecimal Numbers Tutorial Sheet A

1. Write the hex number $(EC4)_{16}$ in binary.

2. Write the binary number $(111101101011_2$ in Hex.

3. What is highest Hexadecimal number that can be written with two characters, and what is it's equivalent in decimal form? What is the next highest hexadecimal number?

4. Which of the following are not valid hexadecimal numbers?

   (i) A5G   (iii) EEF

   (ii) 73   (iv) 101

5. Calculate working in hexadecimal

   (a) $(BBB)_{16} + (A56)_{16}$

   (b) $(BBB)_{16} - (A56)_{16}$

6. Express the decimal number 753 in binary , base 5 and hexadecimal.