Assignment-1

Que 1. Convert the following unsigned binary numbers to a decimal base:
011011, 001001, 11010010

Que 2. Convert the following decimal numbers to a binary base: 334, 445., 243, 0.78125

Que 3. Convert the following unsigned binary numbers to a hexadecimal base: 01101101,
0010010111

Que 4. Convert the following hexadecimal numbers to a binary base: EA5D, 11A

Que 5. In the following, perform addition of unsigned binary numbers. Solve each problem and
convert your result to a decimal base for verification:

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(a) 0101    (b)1101    (c)0111    (d)0111
   +0001      +1110      +1000      +1010
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Que 6. Express the following numbers in decimal:
(i) $(10110.0101)_2$
(ii) $(16.5)_{16}$
(iii) $(26.24)_8$
(iv) $(DADA.B)_{16}$
(v) $(1010.1101)_2$