COMP 206: Digital Logic Design

Assignment No. 1

Submission: Monday, 2nd Nov

1. Fill the following table by performing proper conversion. Show complete working

Decimal	Binary	Octal	Hexa- decimal
33	100001	41	21
117	1110101	165	75
451	111000011	703	1C3
431	110101111	657	1AF

$$|| = 33_{10} \rightarrow 3_{10}$$

$$|| = 33_{10} \rightarrow 3_{10}$$

$$|| = 2^{1} + 2^{1} + 2^{1} + 2^{2} + 2^{2} = 117_{10}$$

$$|| = 117_{10}$$

$$|| = 117_{10}$$

$$|| = 117_{10}$$

$$|| = 117_{10}$$

$$|| = 117_{10}$$

$$|| = 117_{10}$$

m - 11101012 -> 2.16 16 | 117 => 75 ¥(3) 703 ₈ 1-703 -> 2.10 (7x82)+(0x8')+(3x80)=451, 11-7038 -> 1.2 7038 = 45110 2 451 225 - 1 112 -56 -0 28 -0 0 2 -> 111 00000 11,