Practical-1

Q1 convert $(1056)_{16}$ to $(?)_8$

$(1056)_{16} \rightarrow (?)_2$

1	0	5	6
0001	0000	0101	0110

$(0001\ 0000\ 0101\ 0110)_2$

001	000	001	010	110
↓	↓	↓	↓	↓
1	0	1	2	6

$\rightarrow (10126)_8$

Q2 $(11672)_8$ to $(?)_{16}$

$(11672)_8 \rightarrow (?)_2$

1	1	6	7	2
↓	↓	↓	↓	↓
001	001	110	111	010

$001\ 001\ 110\ 111\ 010$

001	0011	1011	1010
↓	↓	↓	↓
1	3	11	10

11 = B 10 = A

$\rightarrow (13BA)_{16}$

Q3 $(2724)_8 \rightarrow (?)_{10}$

$4 \times 8^0 + 2 \times 8^1 + 7 * 8^2 + 2 \times 8^3 = (1492)_{10}$

Q4 $(3211)_4$ to $(?)_5$

$(3211)_4 \rightarrow (?)_{10}$

$1\times4^0 + 1\times4^1 + 2\times4^2 + 3\times4^3$

$1 + 4 + 32 + 192$

$(229)_{10} \Rightarrow (?)_5$

5	229	
5	45	4
5	9	0
5	1	4
	0	1

$(1404)_5$

Q5 $(1001001100)_2 \rightarrow (?)_6$

1001001100

$\hookrightarrow (?)_{10}$

$2^0\times0 + 0\times2^1 + 1\times2^2 + 1\times2^3 + 0\times2^4 + 0\times2^5 + 1\times2^6 + 0\times2^7$

$0\times2^8 + 1\times2^9$

$\rightarrow 0+0+4+8+0+0+64+512$

$(588)_{10} \hookrightarrow (?)_{16}$

6	588	
6	98	0
6	16	2
	2	4
	0	2

$(2420)_6$