

22/80 overall

Question No.

Examiner Only

1.

1. AND
- 2.
- 3.
4. NOT
- 5.

1/5

2. ~~11010111~~

ii) 6F

$$\begin{array}{rcl} 6 : 2 & = & 3 \quad 0 \\ 3 : 2 & = & 1 \quad 1 \\ 1 : 2 & = & 0 \quad 1 \end{array}$$

iii) a 84 =
0.1010100

$$\begin{array}{rcl} 42 & & 0 \\ 21 & & 0 \\ 10 & & 1 \\ 5 & & 0 \\ 2 & & 1 \\ 1 & & 0 \\ 0 & & 1 \end{array}$$

2/2

b) 246 ÷ 123

61
30
15
7
3
1
0

0
1
1
0
1
1
1

0.11100111

1/2

iv) 10