

## Worksheet 1 – Logic

1. Convert the following denary (decimal) numbers to binary:
  - i.  $34_{(10)}$
  - ii.  $754_{(10)}$
  - iii.  $2395_{(10)}$
  
2. Convert the following binary numbers to denary:
  - i.  $101101001_{(2)}$
  - ii.  $10000001111_{(2)}$
  - iii.  $1001100110011001_{(2)}$
  
3. Add the following binary numbers:
  - i.  $10001 + 10110$
  - ii.  $1100 + 100011$
  - iii.  $101110 + 11111$