Ponce Martin 10371381 Date 11/09/2014

Family name Given name Student number

**ENS1161 Computer Fundamentals**

**Test 7**

(a) Convert the octal number 73 to decimal.

59

(b) Convert the decimal number 231 to octal.

3478

(c) Convert the decimal number 314 to binary.

100111010

(d) Convert the binary number 1010 1110 to decimal.

174

(e) Convert the hexadecimal number 3AD to binary.

941

(f) Convert the binary number 1101 0111 1010 to hexadecimal.

D7A

(g) Convert the decimal fraction 0.34375 to binary.

0.01011

(h) Perform the following additions. The first is **binary**, the second is **octal**.

(i) **1 0 0 1 0 (ii) 4 1 6**

**1 1 1 0 0 + 6 2 4 +**

1 0 1 1 1 0 1 2 4 2

[ 1 + 1 + 1 + 1 + 1 + 1 + 2 + 2 = 10 marks ]