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Family name	Given name	Student number	

ENS1161 Computer Fundamentals

Test 7

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(a)   Convert the octal number 73 to decimal.

59   ✓   1

(b)   Convert the decimal number 231 to octal.

347 0   ✓   1.

(c)   Convert the decimal number 314 to binary.

100111010   ✓   1

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

174   ✓   1

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

941   ?   0

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

D7A   ✓   1

(g)   Convert the decimal fraction 0.34375 to binary.

0.01011   ✓   2

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

(i)   1 0 0 1 0
        1 1 1 0 0 +
        1 0 1 1 1 0   ✓

(ii)   4 1 6
        6 2 4 +
        1 2 4 2 ✓   2.

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

1