“Breaking the Code” Unit - Final Assessment

**PART A**

Please decode these codes, write the letters to match the binary code. You may use the ASCII Alphabet Characters sheet to assist.

Question 1

What two numbers are used in the binary number system? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Question 2

Why do computer systems use the binary number system in their data systems?

Question 4

How would you represent 15 in binary coding? - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Question 5

Please decode this coded phrase, write the words underneath the binary code.

01010010

01100001

01101001

01101110

01110010

01100001

01101001

01101110

01100111

01100101

01110100

01100111

01101111

01101001

01101110

01100111

Answer - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please remove before handing out to students, the answer to question 1 is = Rain rain get going

Question 6

Please decode this code, write the phrase underneath the binary code.

01001011

01101001

01101110

01100111

01000111

01100101

01101111

01110010

01100111

01100101

01101111

01100111

01110100

01101000

01100101

01010101

01101110

01101001

01110100

|  |
| --- |
| 01100101 |
| 01100100 |
| 010010110110100101101110011001110110010001101111011011010110000101100111011001010110011001101001011001100111010001111001011100110110100101111000Answer - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Please delete, the answer for question 2 is = King George of the United Kingdom age fifty six

**PART B**

Below write your birthday using binary coding. Your birthday will be all written in words. Please use ASCII letters to help you code.

Part B - section 2

This should not be your code you are reading, you should have swooped you code with another student.

Below please write the above code in letters, you may use the ASCII letters to assist you with decoding.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Congratulations you have finished the “Breaking the Code” unit.