

ii. 7F – F0

Q3. Fill the blanks in the following questions:

(i) The binary number 01100111 represents character _____, and uses an _____ parity bit. Note that the ASCII code of character **A** is 41H and that of character **a** is 61H.

(ii) Assuming 10-bit 2`s complement representation, the smallest (negative) number is _____ in binary and _____ in decimal and the largest (positive) number is _____ in binary and _____ in decimal.

(iii) If you type the phrase COE205 on your keyboard, the binary sequence sent to the computer using 8-bit ASCII code with the 8th bit being an even parity bit is

Note that the ASCII code for character 0 is 30H.