

(ii) FE – 80

Q3. Fill the blanks in the following questions:

- (i) Assuming unsigned number representation, $(F1)_{16}$ represents the decimal number _____.
- (ii) The decimal number 1020 is represented in binary as _____.
- (iii) The binary number 01100011 represents character _____, and uses an _____ parity bit. Note that the ASCII code of character **A** is 41H and that of character **a** is 61H.
- (iv) Assuming **4-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.