



1. (20%) Please convert the following binary to **decimal**. Show your work.
1100011
2. (20%) Please convert the following **hexadecimal** to binary. Show your work.
68
3. (20%) Please research on “Pony Express”, write a few short paragraphs to discuss the
 - a. Purpose.
 - b. Methodology.
 - c. Difficulties.
 - d. Interesting finding.of “Pony Express”.
4. (20%) Please research on 1980s Mainframe computers and modern day computers. Write a few short paragraphs to compare these two types of computers regarding the following:
 - a. Cost
 - b. Size
 - c. Performance
 - d. Energy consumption.
5. (20%) Please research on Morse code. List(Draw) all Morse code.