Nat 5 Homework 5

- 1. Convert 10010111 to decimal (1)
- 2. Convert 10101010 to decimal (1)
- 3. Convert 11100111 to decimal (1)
- 4. Convert the value **35** into an 8-bit binary number. **(1)**
- 5. Convert the value 107 into an 8-bit binary number. (1)
- 6. Convert the value **78** into an 8-bit binary number. **(1)**
- 7. Identify the mantissa and exponent of 0.112×10^4 (2)
- 8. How many bits does Extended ASCII use to represent characters? (1)
- 9. What is the ASCII code for each of the following characters (4)
 - a. A
 - b. Z
 - c. Space
 - d. Full stop