

Detailed Marking Scheme for CSC 209 – Assignment 1(Total marks: 100):

Phase A: Output Correctness (50)

Your program will be subjected to a number of our test cases. Please make sure you follow the formatting rules specified in the assignment handout. For example, using lowercase for hexadecimal letters, etc. If your program passes all our tests, you will get full marks in this section. If your program fails, you will be evaluated according to the following breakdown:

- Incorrect Usage of Identifiers (5/50)
- Bad use of White space (5/50)
- Incorrect handling of significant bit (10/50)
- Incorrect handling of big-endian/ little-endian conversion (10/50)
- Incorrect handling of byte alignments (10/50)
- Other errors (10/50)

Phase B: Style (25)

- Use of arrays (5/25)
- Bad variable names (5/25)
- Insufficient/bad commenting (15/25)

Phase C: Testing (15)

You must provide a hardcopy of sample test cases that you thought up to test your program along with the output from your program. We are looking for about 3-5 test cases. You must provide justification for why you chose a particular test case and you should provide simple hand calculations that show us that your program output is correct.

- Sample Test Cases & Justification (5/15)
- Program output from your tests & Hand Calculations (10/15)

Phase D: Basic Error Checking (10)

We do not want you to go into too much error checking. We will test the following case:

- Bad Magic Number in PBM file (10/10)

In this situation, the program outputs “ERROR” to standard output and terminates right away.