Marking Scheme for Leap Year Checker (C Program)

Total: 10 marks

1. Functional Correctness (4 marks)

- Correctly checks for leap year using the rules:

  * Divisible by 400 -> leap year

  * Divisible by 100 -> not a leap year

  * Divisible by 4 -> leap year

  * Otherwise -> not a leap year

2. Code Structure & Modularity (2 marks)

- Logic is encapsulated in a separate function `leap_year`

- Function is properly called in `main()`

3. Comments & Readability (2 marks)

- Meaningful comments explaining logic

- Proper indentation and clean code formatting

4. Test Case Coverage (2 marks)

- Includes diverse test cases:

  * A year divisible by 400 (e.g., 2000)

  * A common non-leap year (e.g., 2002)

  * A leap year divisible by 4 but not 100 (e.g., 2008)

Grading Criteria:

- Full marks for correct and complete logic

- Partial marks for missing or unclear aspects