

## CS 201 Lab Assignment 2 Evaluation Scheme

### 1. Output - 60%

- 6 test cases - 60 marks each test case.
- **Maximum marks awarded = 60** (for all correct test cases)
- Partial marks awarded for each test case (out of 10 for each test case) if partially correct output is generated according to the number of correct matching lines.

### 2. Code - 40%

- If balanced tree along with heaps is used and thus, operations take  $O(\log(n))$  time and all the given requirements regarding templates, etc. are met, **Maximum marks awarded = 40**
- Further detailed breakup of marks - If the code doesn't generate output for any of the test cases, but partially some functions work then :
  - Insert function = 10 marks
  - Remove function = 10 marks
  - Next\_crossing function = 10 marks
  - Templates used and no stl libraries used = 10 marks
- Partial marks awarded = 20/100 (in case  $O(\sqrt{n})$ ,  $O(n)$  or similar complexity implementation has been used and all other requirements are satisfied)
- Partial marks awarded  $\leq 10$  (if the code is buggy but functions seem to be coded properly)