**CS112: Computing Laboratory**

**Assignment 6**

**Evaluation Policy**

**Total Marks: -20**

**\*Proper indentation is mandatory (3 marks)**

**\*You should comment the statements whenever necessary in order to make the code understandable (2 marks)**

**Q1-(3 Marks)**

1. **Logic – 1 Marks**
2. **Compilation -1 Marks**
3. **Output Correctness -1 Marks**

**Test Case1-**

1. **Input: (-70, 20)**
2. **Output: (20, -70)**

**Test Case2-**

1. **Input: (33.34, 200)**
2. **Output: (200, 33.34)**

**Q2- (5 Marks)**

1. **Logic – 2 Marks**
2. **Compilation -1 Marks**
3. **Output Correctness – 2 Marks**

**Test Case1-**

1. **Occurrence:**
2. **Input: (You are a good coder, good)**
3. **Output: (11)**
4. **Replacement or Error:**
5. **Input: (Great)**
6. **Output: (You are a Great coder)**

**Test Case2-**

1. **Occurrence:**
2. **Input: (GOOD LUCK NEXT TIME!, GOOD)**
3. **Output: (1)**
4. **Replacement or Error:**
5. **Input: (GREAT)**
6. **Output: (GREAT LUCK NEXT TIME!)**

**Q3- (6 Marks)**

1. **Logic – 2 Marks**
2. **Compilation -1 Marks**
3. **Output Correctness – 3 Marks**

**Test Case1-**

1. **Input ( A={12, 10, 20, 5, 6, 15}, n = 6, k = 3)**
2. **Output (A = { 6, 10, 5, 20, 12, 15 })**

**Test Case2-**

1. **Input ( A={13, 9, 7, 17, 2, 5, 4, 19}, n = 8, k = 4)**
2. **Output (A = {4, 5, 7, 2, 17, 9, 13, 19})**

**Q4- (6 Marks)**

1. **Logic – 2 Marks**
2. **Compilation -1 Marks**
3. **Output Correctness – 3 Marks**

**Test Case1-**

1. **Input ([1, 3, 5, 7, 9, 11], k = 15)**
2. **Output:**
3. **[3, 5, 7]**
4. **[1, 3, 11]**
5. **[1, 5, 9]**

**Test Case2-**

1. **Input ([-4, -1, 2, 5, 8, 11], k = 6)**
2. **Output:**
3. **[-4, -1, 11]**
4. **[-4, 2, 8]**
5. **[-1, 2, 5]**

**\*\*Brackets e.g #{([ ])}# in this document are for better visualization only output may not contain brackets. .**