National University of Computer and Emerging Sciences

Program: BS(SE)	**Total Marks:** 10 marks
Section: ___	**Time Allowed:** 10 minutes
Date: Nov 30, 2024,	**Instructor:** Bilal Khalid Dar
Student Name: _____	**Student Signature:**
Registration No. _____	_____

Important Instructions for attempting Quiz

READ ALL QUESTIONS AND INSTRUCTIONS CAREFULLY

- Carrying of Mobile phone, digital dairies, digital watch, or any electronic device is not allowed.
- Use only Black/Blue color pen. Sharing of anything is forbidden
- **Write your answer in provided space. No answer will be marked outside given space**
- **CUTTING IS NOT ALLOWED**. All questions are self-explanatory and require no further explanations during exam time. Read all questions
- **RETURN the Quiz paper after completion.**

QUIZ 5 - A

Write output of the following function if

```cpp
int arr[] = {1, 2, 3, 4, 5};
int n = 5;
int sum = 6;

void funcation(int arr[], int n, int sum) {
    for (int i = 0; i < n; i++) {
        for (int j = i + 1; j < n; j++) {
            if (arr[i] + arr[j] == sum) {
                cout << "(" << arr[i] << ", " << arr[j] << ")" << endl;
            }
        }
    }
}
```

(1, 5)
(2, 4)

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QUIZ 5 – B

Write output of the following function if

```
int arr[] = {1, 2, 3, 4, 5}; int n = 5; int k = 2;

void funcation(int arr[], int n, int k) {
    k = k % n;
    int temp[k];

    for (int i = 0; i < k; i++) {
        temp[i] = arr[n - k + i];
    }

    for (int i = n - 1; i >= k; i--) {
        arr[i] = arr[i - k];
    }

    for (int i = 0; i < k; i++) {
        arr[i] = temp[i];
    }

      for (int i = 0; i < n; i++) {
        cout << arr[i];
    }

}
```

Rotated array: 4 5 1 2 3