

## CS 232 Operating Systems – Fall 2023

Instructor: Dr. Muhammad Mobeen Movania

### Quiz 1 Solution

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Regn. No. : \_\_\_\_\_

Circle the correct answer.

Q1) Which of the following is **NOT** a design goal of Operating Systems? 2 marks

- (a) storage
- (b) convenience
- (c) security
- (d) performance

Q2) Policy defines what needs to be done? 2 marks

- (a) True
- (b) False

Q3) Who is the first author of our course required textbook? 2 marks

- (a) Andrea C. Arpaci-Dusseau
- (b) Remzi H. Arpaci-Dusseau
- (c) Michael Kerrisk
- (d) Abraham Silberschatz

Q4) Define a function in C/C++ called `SumCalculator` to calculate the sum of a given integer array and output the sum value through a pointer variable to the calling function? 4 marks

```
void SumCalculator(int* array, const int N, int* sum)
{
    *sum = 0;
    for(int i=0; i<N; ++i)
    {
        *sum += array[i];
        *sum += *(array++);
        *sum += *(array+i);
    }
}
```

