University of Asia Pacific

Department of Computer Science and Engineering

Program: B.Sc. in CSE

Mid-Semester Examination	Fall-2023	3rd Year 1st Semester

Course Code: CSE 309

Course Title: Object Oriented Programming II: Credit: 3.0
Visual and Web Design

Time: 1.00 Hour.

Full Mark: 20

There are **Three** Questions. Answer all of them. Part marks are shown in the margins.

1. a. Write a python function that takes a number of positional arguments (int) and returns the average and the summation of those numbers. You do not have to take user input. Here is an example of how you will call your function.   **[4]**   **[CLO1]**

Function call	Function returns
fun(1,2,3,4,5)	3, 15
fun(1,2)	1.5, 3

   b. Analyze the provided Python code to determine the final output after its execution. Subsequently, justify your conclusion.   **[4]**   **[CLO2]**

```python
addition = 0
my_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
output = my_list[-2:-9:-2]
print(output)
for i in output:
    if(i/2 == 0):
        addition += i

print(addition)
```