



**University of Asia Pacific**  
Department of Computer Science and Engineering  
CSE 103: Structured Programming Language  
**Class Test 03, Spring 2018, Section: C**  
Total Marks: 20, Time: 30 minutes

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**Name:**

**ID:**

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1. What are the major advantages of using a structure in a C Program?

[2]

2. Write a code which will use the following structure to take two 2D coordinate points as input and print the linear distance between them. A structure named 'Point' is given which you can use in your code. [8]

```
struct Point {  
    int x, y;  
};
```

3. What does pointer do in C programming? Describe its functionalities with an example.

[5]

4. Call by Reference and Call by Value; what are the major differences between these two? Explain with respect to an example.

[5]