**Department of Computer Science & Engineering**

**University of Asia Pacific (UAP)**

**Program: B.Sc. in Computer Science and Engineering**

| **Final Examination** | **Spring 2020** | **2nd Year 2nd Semester** |
| --- | --- | --- |
| **Course Code:** | **Course Title:** | **Credits: 3** |
| **Full Marks: 120\* (Written)** |  | **Duration: 2 Hours** |
| \* Total Marks of Final Examination: 150 (Written: 120 + Viva: 30) | | |
| **Instructions:**   1. There are **Four (4)** Questions. Answer all of them. All questions are of equal value. Part marks are shown in the margins. 2. Non-programmable calculators are allowed. | | |

| **1.** | **a)** | OOP | 20 |
| --- | --- | --- | --- |
|  | **b)** |  | 10 |
|  |  |  |  |
| **2.** | **a)** | Django | 10 |
|  | **b)** |  | 10 |
|  | **c)** |  | 10 |
|  |  |  |  |
| **3.** | **a)** | Django | 5 |
|  | **b)** |  | 15 |
|  | **c)** |  | 10 |
|  |  |  |  |
| **4.** | **a)** | OOP | 15 |
|  | **b)** |  | 5 |
|  | **c)** |  | 10 |
| **OR** |  |  |  |
|  | **a)** | OOP  Covering same COs |  |
|  | **b)** |  |  |
|  | **c)** |  |  |