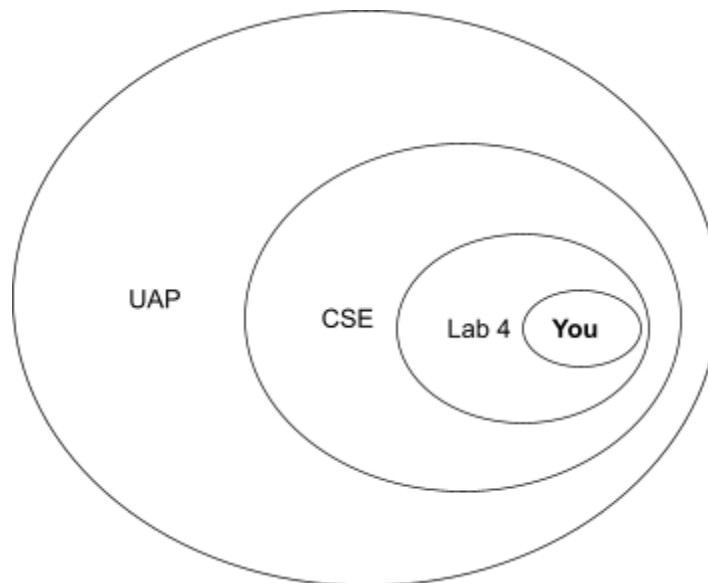


University of Asia Pacific
Dept. of Computer Science and Engineering
Lab Test – 01, Spring-2023

Course Code: CSE 404 Course Title: Artificial Intelligence and Expert Systems Lab
Total Marks: 20 Time: 35 (30+5) Min

Answer the following questions:

1. Imagine you are in Lab 4 of the CSE department at UAP. Now, write a Prolog program to determine your location using recursion. For instance, you are in Lab 4, as well as in the CSE department and also inside UAP. [8]



2. Different diseases have specific symptoms, and we determine if someone is sick based on these symptoms. For instance, if someone has symptoms like fever, cough, sneezing, and a runny nose, we might suspect they have the flu. Develop a Knowledge Base (KB) for the diagnosis of diseases like typhoid and Covid with associated rules. Note that you can assume the symptoms associated with each disease. [12]