|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **National University of Computer and Emerging Sciences, Lahore Campus** | | | | |
| C:\Users\saif\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\final design.jpg | **Course:** | **COAL- Lab** | **Course Code:** | **EL213** |
| **Program:** | **BS(Computer Science)** | **Semester:** | **Fall 2016** |
| **Duration:** | **35 Minutes** | **Total Marks:** | **10** |
| **Paper Date:** | **4-OCT-16** | **Weight** |  |
| **Section:** | **B** | **Page(s):** | **1** |
| **Exam:** | **Quiz-I** |  |  |

**Question 1**

Let's say you are reverse engineering a piece of code.

At one point in the code some addition operation executes. We are able to determine the values of the flags but the operands could not be determined.

Write a program that takes the flags values required and returns to you a possible pair of operands when added would give the required flags.

org 100h

jmp start

;reqd flags

carryf: db 0

zerof: db 1

signf: db 0

operand1: db 0

operand2: db 0

start: