



**ISRA UNIVERSITY**

Islamabad Campus

**Semester – Spring 2019**

**Calculus-II**

**Assignment – 3**

**Marks: 10**

**Due Date: 07/05/2019**

**Handout Date: 30/04/2019**

Question # 1:

Verify by substitution that  $y_1 = e^x$  and  $y_2 = e^{-x}$  are solution of the ODE  $y'' - y = 0$ , solve for the initial value problem  $y(0) = 6$  and  $y'(0) = -2$ .

**Good Luck**