



**ISRA UNIVERSITY**

Islamabad Campus

**Semester – Spring 2019**

**Calculus-II**

**Assignment – 6**

**Marks: 10**

**Due Date: 11/06/2019**

**Handout Date: 24/05/2019**

Question # 1:

Solve the following Nonhomogeneous Differential equation using the Basic rule:

$$y'' - 2y' - 3y = e^{2t}$$

Question # 2:

Solve the following Nonhomogeneous Differential equation using the Sum rule:

$$3y'' + 27y = 3 \cos x + \cos 3x$$

**Good Luck**