



ISRA UNIVERSITY

Islamabad Campus

Semester – Spring 2019

Calculus-II

Assignment – 2

Marks: 10

Due Date: 02/04/2019

Handout Date: 26/03/2019

Question # 1:

Solve the given Linear Differential equation of first order and find its Particular solution:

$$y' + \frac{1}{x}y = \sin x, \quad y(\pi) = 1$$

Question # 2:

Solve the given Bernoulli's equation:

$$y' - \frac{1}{x}y = xy^2$$

Good Luck