Program: BSC
Semester – Spring 2019

Calculus-II

Assignment – 1   **Due Date: 19/03/2019**
Marks: 10   **Handout Date: 13/03/2019**

Question # 1:
Find the particular solution of the following equation using method of separation of variables:

$$y' = xe^{2y}, \qquad y(0) = -1$$

Question # 2:
Find the genera solution of the following equation using method of Exact differential equations:

$$(2xy - 3x^2)dx + (x^2 - 2y)dy = 0$$

Good Luck