



**Bahria University**  
Discovering Knowledge

**Course Title: MVC**

**BSCS(3<sup>rd</sup> Semester)**

**Department of Computer Science  
Bahria University, Lahore Campus**

**Quiz#3(A)**

Date: Week 9, 19 April 2023

Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

Evaluation of CLO	Question Number	Marks	Obtained Marks
<b>CLO3: CLO statement</b>  Analyze the given problems and apply integrals to compute physical quantities like area/volume.	1	5	
	2	5	
<b>Total Marks</b>		<b>10</b>	

**Question 1.** Evaluate  $\int_R (2x - y^2) dA$

over the triangular region R enclosed between the lines  $y = -x + 1$ ,  $y = x + 1$ , and  $y = 3$ .

**Question 2.** Find the area of the plane region enclosed by the curves  $y^2 = 9 - x$  and  $y^2 = 9 - 9x$ .