Computer Science 2 Lab Exam **Date 24-5-2022**

Total Points 20

Total Time 30 Minutes

Student ID :-
Student Group

1. The ball is thrown with the velocity defined by the function V = 2*Sin(t)+Cos(4t), Initial poistion of ball is zero and find the position P(t) of ball after time t using RK.
Write answer up to 4 significant digits.

Results	Time step t=0.1	Relative Error Asumming t=0.0001 most accurate	t=0.001	Relative Error Asumming t=0.0001 most accurate.
P(2)				
P(2.7				
P(2.9)				

2. How many times the velocity of ball was zero and write the time at which velocity ball was zero by using bisection method.