UW

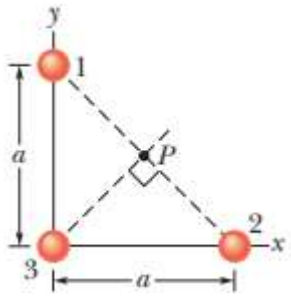
Department of Computer Science
Assignment-2

Course Code: GE-125
Course Title: Applied Physics
Total Marks: 10

Name:_____
Registration No. _____
Discipline/Semester:
Submission deadline: 25-11-2024

Q No.1

In fig three particles are fixed in place and have charges $q_1 = q_2 = +e$. and $q_3 = +2e$. Distance $a = 6 \times 10^{-6} m$. What is magnitude of electric field at point P due to the particles ?



Q-2 [PLO3,CLO1] A dipole consists of two charges +2e and -2e separated by a distance of 0.78nm. It is in electric field strength of $3.4 \times 10^6 N/C$.

Calculate the magnitude of torque when dipole moment is Parallel, at right angle and opposite to electric field ?