Assignment – Parameter Estimation

General Instructions – Must Read

- **Submission Guidelines**
  - Multiple submissions are allowed, but **latest submission** will be considered for the evaluation.
  - Submission link will open all the time, but only 50% marks will be awarded if you fail to submit within the due date. No excuse will be considered for the submission.
  - Solve the question using Pen and paper and scan it then make a pdf and submit it.
  - **Zero marks** will be awarded for plagiarized assignment.

Questions [Required]:

1. Let ($X1$, $X2$,…,)be a random sample of size n taken from a Normal Population with parameters: mean= $\theta 1$ and variance=$\theta 2$. Find the Maximum Likelihood Estimates of these two parameters.
2. Let X_1, X_2 . . . ,X_n be a random sample from B(m, θ) distribution, where θ ∈Θ = (0, 1) is unknown and 'm' is a known positive integer. Compute value of θ using the M.L.E.