

Q.3 Set. (A) Consider steepest gradient descent (SGD) method for determining $m - c$ parameter of a straight line passing through the points $(1.5, 6)$, and $(2, 7)$. Determine the cost function and one iteration of SGD. Assume step as 0.001, and initial values of slope and intercept as 1.5 and 2.5 respectively. [7]