

## Practice Questions

Q. How does gradient boosting get impacted when loss function is a convex combination of  $l_2$  and  $l_1$  loss,  $L(f(x)) = \alpha(y - f(x))^2 + (1 - \alpha)|y - f(x)|$ .

Q. Derive update rule for Rosenblatt' perceptron when the loss is  $|y(\beta^T x + \beta_0)|$ .