**Time Complexity –**

**T (n) = 3T (n/2) + n.** By Master Theorem, T(n) = Theta (n).

**T (n) = 64T (n/8) − n^2(log n).** Master Theorem is not applicable as f(n) is asymptotically not positive.

**T (n) = 2nT (n/2) + n^n.** Master Theorem is not applicable as a is not constant.

**T (n) = 3T (n/3) + n/2.** By Master theorem, T(n) = Theta (n log n).

**T (n) = 7T (n/3) + n^2.** By Master theorem, T(n) = Theta (n^2).