

94. X is a discrete random variable with a probability function which is a member of the $(a,b,0)$ class of distributions.

You are given:

(i) $P(X = 0) = P(X = 1) = 0.25$

(ii) $P(X = 2) = 0.1875$

Calculate $P(X = 3)$.

(A) 0.120

(B) 0.125

(C) 0.130

(D) 0.135

(E) 0.140