

Internal Examination, 2020

Subject: Statistics
Time: 45 minutes

Paper/Course: DSE-2 (Demography) Date: 17/12/2020
Full marks: 10

- (a) With appropriate assumption and usual notation, show that

$${}_nq_x = \frac{2n \cdot {}_n m_x}{2 + n \cdot {}_n m_x}$$

- (b) Discuss the limitations of crude rate of natural increase and vital index as indices of population growth. 5+5