

B.Sc III

Paper II (Vital Statistics)

1. Which of the following is not a vital event?
 - (a) Marriage (b) Education (c) Migration (d) Birth.
2. Net Reproduction rate is used for the measurement of:
 - (a) Birth rate (b) Death Rate (c) Population Growth (d) None of these.
3. In a life table q_x is calculated by:
 - (a) $\frac{d_x}{l_x}$ (b) $\frac{d_x}{e_x}$ (c) $\frac{d_x}{l_x}$ (d) $\frac{e_x}{l_x}$
4. A population maintaining a constant growth rate is said to be:
 - (a) Stable population (b) Stationary population
 - (c) Mobile population (d) None of these.
5. Net Reproduction rate is:
 - (a) Greater than Gross Reproduction rate
 - (b) Less than Gross Reproduction rate
 - (c) Equal to Gross Reproduction rate.
 - (d) None of the above.
6. $NRR=1$ means:
 - (a) Female population will exactly replace itself
 - (b) Population remain constant
 - (c) There is no mortality in female birth till their child bearing age
 - (d) All of the above.
7. The death rate of babies under one month is known as
 - (a) Infant Mortality rate (b) Crude Death Rate
 - (c) Crude Mortality Rate (d) None of these.
8. Which is the source of collection of vital statistics?
 - (a) Vital Registrars (b) Demographic survey
 - (c) Census (d) All of these

9. The formula for GRR is:

$$(a) \text{ FGR} = \frac{F_{Bx} \times 1000}{P_{Px}} \quad (b) \text{ FGR} = \frac{F_{Px} \times 1000}{F_{Bx}} \quad (c) \text{ FGR} = \frac{B_x \times 1000}{F_{Px}} \quad (d) \text{ FGR} = \frac{F_{Bx} \times 1000}{P_{Px}}$$

10. If the value of NRR > 1 then:

- (a) Increase in population (b) Negative increase in population
(c) Zero increase in population (d) None of these

11. Death rate calculation for a segment of population is known as:

- (a) Specific Death Rate (b) Standard Death Rate
(c) Crude death rate (d) None of these

12. The Prob. of dying of a person of age between x and $x+n$ years is known as:

- (a) Age specific death rate (b) Infant Mortality Rate
(c) Central Mortality Rate (d) None of the above

13. The total no. of years lived by a cohort after attaining the age x :

- (a) T_x (b) L_x (c) e_x (d) d_x

14. Drawback of CDR is that it does not take into account:

- (a) Age factor (b) Sex composition
(c) Population (d) (a) and (b) both

15. A life table consists of:

- (a) Eight columns (b) Nine columns
(c) Seven columns (d) None of these

16. Which of following is not Birth rate?

- (a) CBR (b) Total Fertility rate
(c) General Fertility Rate (d) NRR