

2. In a community Z the total population was 40, 000,000 persons in 2011. If 40, 000 deaths from pneumonia occurred in the same year and locality, and total deaths equals 100, 000. Then the cause specific mortality rate from pneumonia is?

$$\Rightarrow \frac{40\,000}{40\,000\,000} * 1000 = 1$$

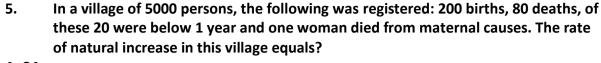
In a city XX, in year 1999, the Crude Birth Rate is 44.5, and a Crude Death Rate is 3. 9.8, and the estimated midyear population is 6 million, and net migration rate is (-0.6%). The growth rate is?

GR = RNI + Not migration rate.

$$RNI = CBR - CDR = 44.5 - 9.8 = 3.476$$

4. If a population of a town Z was 900, 000 persons in the census of the year 1990 and it increased to reach 1000,000 in the year 2000. The estimated inter-censual population at 1997 was?

$$\frac{100000}{10} = 10,000$$



A. 24
B. 40
$$RN\hat{J} = * of Birfh - * of Death & 100$$
C. 2.4
D. 100
E. 0.8
$$= 200 - 80 * (100) = 2.4$$

6. In a district of 15,000 persons, the following was registered: 600 births, 225 deaths. The rate of natural increase in this district equals?

A. 3.5

(B) 2.5

C. 40

D. 15

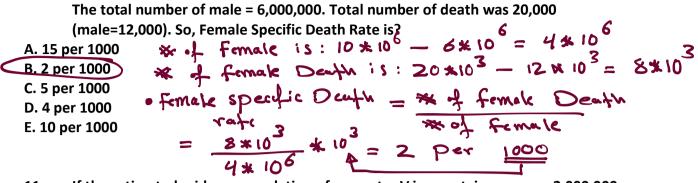
E. 37.5

$$C = \frac{600 - 225}{15000} \times 100 = 2.5$$

7. In a city Z, in year 2018, the Crude Birth Rate is 20/1000, Crude Death Rate is 3/1000, and the estimated midyear population is 3 million. The rate of natural increase is?

8. In a city Z, in year 2018, the Crude Birth Rate is 20/1000, Crude Death Rate is 3/1000, and the estimated midyear population is 3 million. The rate of natural increase is?

9. In a district of a total population = 6, 000,000 persons in 2015 the number of cancer deaths reported were 12,000 deaths in the same year. The total deaths were 12,500. So, the specific death rate from cancer equals?



The estimated midyear population of a country K in a certain year was 10,000,000.

10.

11. If the estimated midyear population of a country V in a certain year was 2,000,000. The total number of young population below 15 years old = 200,000, and the total number of population aged (15-60) years old = 800,000. So, the young dependency ratio is?

A. 5%

B. 25%

C. 35%

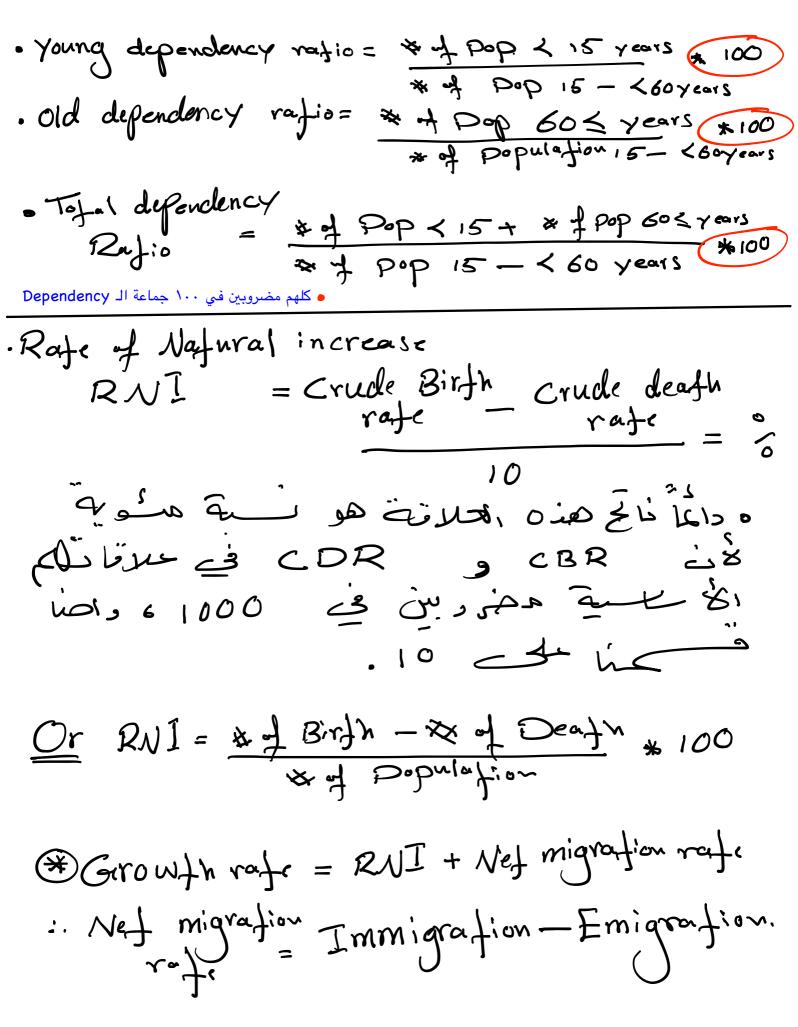
D. 50%

E. 75%

$$= \frac{200,000}{800,000} * 100 = 25 \div$$

12. The total deaths in a country X in 2002 were 300. Of these 45 were due to diabetes mellitus. If the total population is 45,000, then the proportionate mortality rate from diabetes mellitus equals to?

OMeasures of mortality:
1. Crude Death Rate = * of Death # 1000
2. Age specific Death Rate = # of Deaths in a \$ 1000
3. Sex specific Death rate = # of Deaths in a certain sex
in a some sex.
4. Cause specific morfality = x of Death Due to a certain cause x 1000
5. Proportionate mortality = a certain Cause # 100 A Deaths from
المجموع المجم
- Crude Birth Rate = * openation * 1000 (CBR) ** of Dopmation * 1000
2-Gemal Ferfility Rate = * of Live Births * 1000 (GFR) * of Females within reproductive Age (15-49)
3-Age specific Ferfility rate (ASFR) = ** I Live Births born by Fernale ia a specific age ** 1000 the same age group
the same age group
4- Total Ferfility Rate: Average & of children. (it is not required to obtain it mathmatically)
5-Gross reproduction Rate (GRR) = TFR * % of Female Birth.



- The total deaths in a village in 1990 were 200. Of these 20 were due to pneumonia. If the total population is 10, 000, then the proportionate mortality rate from pneumonia equals to:
- A. 180 proportionate mortality

 B. 10 Rate = * & Death Due to

 C. 1

 Deaths

 Deaths

 Zoo

 Zoo
- ☐ In a city, in year 2013, the Crude Birth Rate is 30/1000, Crude Death Rate is 7/1000, and the estimated midyear population is 4 million, and net migration rate is (-0.3%). The rate of natural increase is:
- A. 3.2%B. 23%C. 2.3%D. 37/5000A. 3.2%D. 37/5000A. 3.2%D. 37/5000
- ☐ In a city XX, in year 1999, the Crude Birth Rate is 44.5, and a Crude Death Rate is 9.8, and the estimated midyear population is 6 millions, and net migration rate is (-0.6%). The growth rate is?

$$\begin{array}{ll}
4.5\% & GR = RNI + Net migration rate \\
5.47\% & = CBR - CDR_{+} Net migration rate \\
24\% & = (44.5 - 9.8) + (-0.6) = 2.87
\end{array}$$