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

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

2. 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?

$$\frac{20-3}{10} = 1/7 \%$$

3. In a city B, in year 2019, the Crude Birth Rate is 50, and a Crude Death Rate is 15, and the estimated midyear population is 9 million, and net migration rate is (+0.3%). So, the growth rate is?

4. 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?

5. If a population of a town Z was 8,000,000 persons in the census of the year 2000 and it increased to reach 10,000,000 in the year 2010. The estimated inter-censual population at 2005 will be?

6. The estimated midyear population of a country K in a certain year was 10,000,000. The total number of male = 6,000,000. Total number of death was 20,000 (male=12,000). So, Female Specific Death Rate is?

No of female = 
$$4000000 = \frac{8000}{400000} = \frac{2}{1000}$$
  
No of death female =  $8000 = \frac{4000}{4000000} = \frac{2}{1000}$ 

7. 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?

$$\frac{2.00.000}{8.00000}$$
 xloo = 25%

8. 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?

$$\frac{45}{300} \times 100 = 15\%$$