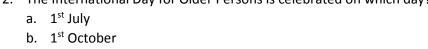
Model questions for Ph.D in Demography

1.		Who among the following defined natural fertility as the marital fertility prevailing in a population in the absence of any deliberate birth control?	
	a.	Easterlin	
	b.	Inkeles	
	c.	Louis Henry	
	d.	Lesthaeghe	
2.	The	International Day for Older Persons is celebrated on which day?	



- c. 11 th Julyd. 11 th October
- 3. 3. A function of variate for estimating a parameter is called:
 - a. an estimate
 - b. an estimator
 - c. a frame
 - d. a statistics
- 4. Which column of Life table provides mortality pattern in future
 - a D
 - b. I_x
 - c. T_x
 - d. e^0_x
- 5. The test for the equality of two population variances is based on which of the following?
 - a. The difference between two sample variances
 - b. The ratio of the two sample variances
 - c. The ratio of the population variances to the sample variances
 - d. The difference between two population variances

Model questions for Ph.D in Biostatistics and Demography

- 1. What is meaning of a blind subject in clinical trial?
 - a. The subjects do not know which study treatment they receive
 - b. Patients injected with placebo and active doses
 - c. Fake Treatment
 - d. Signed document of the recruited patient for the clinical trial procedures
- 2. We use Factorial Analysis:
 - a. To know the relationship between two variables
 - b. To test the Hypothesis
 - c. To know the difference between two variables
 - d. To know the difference among the many variable
- 3. Homogeneity of several variances can be tested by:
 - a. Bartlett's test
 - b. Fisher's Exact test
 - c. F-test
 - d. t-test
- 4. The mean and variance of a binomial distribution are 8 and 4, respectively. Then, P(X=1) is equal to:
 - $\frac{1}{2^{12}}$
 - b. $\frac{1}{2^4}$ c. $\frac{1}{2^6}$ d. $\frac{1}{2^8}$
- 5. If X is a normal variate with mean 20 and variance 64, the probability that X lies between 12 and 32 is:
 - a. 0.4332
 - b. 0.1189
 - c. 0.7475
 - d. 0.5
- 6. Homogeneity of several variances can be tested by:
 - a. Bartlett's test
 - b. Fisher's Exact test
 - c. F-test
 - d. t-test