

**U.G. 3rd Semester Examination - 2020**

**STATISTICS**

[HONOURS]

Course Code : STAT-H-CC-P-6  
(Demography and Vital Statistics Lab)

[PRACTICAL]

Full Marks : 25(20+5) Time : 2 Hours

*The figures in the right-hand margin indicate marks..*

*Notations and symbols have their usual meaning.*

1. Obtain the missing entries of the following part of the life table:

Age(x)	$l_x$	$d_x$	$100q_x$	$L_x$	$T_x$	$e_x^0$
10	69973		0.625			
11			0.649			
12			0.676			
13			0.706			
14			0.741			
15			0.790			
16			0.867			
17			0.949			
18			1.040			
19			1.135		1697496	

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2. Age group (in years) of female population (in '000) and number of live births (in'00) to the mothers are

given below for a country with total population  $2286 \times 10^3$ .

Age-group (in year)	Female population (in '000)	No. of live-births (in '00)
15-19	85	23.4
20-24	70	145.4
25-29	73	167.4
30-34	76	102.2
35-39	75	51.3
40-44	72	14.2
45-49	67	1.0

Obtain (a) the crude birth rate, (b) the general fertility rate and (c) the total fertility rate of the country. 5

3. Practical Note book 5  
4. Viva-voce 5

**[Internal Assessment: 5]**

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