

**B.Sc. (Honours) Examination, 2019**  
**Semester-V (CBCS)**  
**Statistics**  
**Course : DSE-2**  
**(Demography and Vital Statistics)**

**Time : 3 Hours**

**Full Marks : 40**

**Questions are of value as indicated in the margin.**

Answer **any four** of the following questions

1. a) Describe usual errors occur in demographic data.  
b) Explain Chandrasekaran–Deming’s technique to detect those errors. Also point out the limitations of the technique. 4+6=10
  2. a) Define crude death rate, specific death rate and standardized death rate.  
b) Interpret these rates and point out their limitations, if any. 6+4=10
  3. Describe a complete life table. 10
  4. How would you decide that a population has a tendency to increase, decrease or remain stable? Describe appropriate measures for measuring growth in population. 2+8=10
  5. a) Derive the Logistic curve for population projection.  
b) What do you mean by the statement that “the NRR of a country is 1.29”? 8+2=10
  6. Write short note on **any two** of the followings : 5×2=10
    - a) Myer’s Blended Index of Digit Preference.
    - b) Abridged life table.
    - c) Use of life table.
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