

[LL 1017]

OCTOBER 2017

Sub. Code: 2864

**M.Sc. BIOSTATISTICS EXAMS  
FIRST YEAR  
PAPER IV – DEMOGRAPHY AND HEALTH DATA MANAGEMENT**

*Q.P. Code : 282864*

**Time : Three hours**

**Maximum : 100 marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain:
  - a) Uses of life table.
  - b) Census method.
  - c) Data manipulation in MS excel.
  - d) Data transformation in SPSS.
2. Explain non-parametric methods using examples in SAS.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Crude and specific rates.
2. Age and sex ratio.
3. Distribution of population growth.
4. Steps to plot graphs and charts using excel with an example.
5. Merging and appending data in SPSS.
6. Cross tabulation in SPSS.
7. Two-way ANOVA analysis with an example using SPSS.
8. Procedure to calculate t-test using SAS.
9. Mann Whitney U-test calculation using SAS with an example.
10. Running Query language using SAS.

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