THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0222]   **FEBRUARY 2022**   Sub. Code: 2864
(OCTOBER 2021 EXAM SESSION)

M.Sc. BIOSTATISTICS
FIRST YEAR (From 2011-2012 onwards)
PAPER IV – DEMOGRAPHY AND HEALTH DATA MANAGEMENT
Q.P. Code : 282864

Time: Three hours   Answer ALL Questions   Maximum: 100 Marks

I. Elaborate notes on: **(2 x 20 = 40)**

1. Discuss in detail about direct and indirect methods of standardization
2. Explain Briefly on
    - Reproduction rates
    - Standardized death rates
    - Population growth
    - Construction of life table
    - Survival ratio method of migration

II. Write Short Notes on: **(10x6 = 60)**

1. Explain how to import the excel data into SPSS and SAS environment?
2. Data transformations in SPSS.
3. How to import raw data from Excel to SPSS?
4. One way ANOVA in SPSS.
5. Graphs and Charts using MS Excel with example.
6. Calculation of t test using SAS.
7. Cross tabulation using SPSS with example.
8. Explain rate, ratio and proportion with examples.
9. Use of Life tables.
10. Crude and Specific rates.

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