

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002

MPH FIRST YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: JUNE, 2023

BIOSTATICS DATA MANAGEMENT AND DEMOGRAPHY

Time: 3 Hours

Max Marks: 70

Note: Answer all questions

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

2 X 10 = 20

1. Describe the different scale of measurement with examples.
2. Discuss demographic transition theory. Explain demographic transition in India.

Write short note on the following:

6 X 5 = 30

3. Write a short note on histogram.
4. Describe demography cycle.
5. Describe linear regression. What are the assumptions of the linear regression?
6. What is t-test and when is it applied?
7. What is the purpose to calculate the sample size?
8. Define at least five different errors in MS-Excel.

Write briefly on the following:

10 X 2 = 20

9. Describe median. When is it used?
10. Write the assumptions of normal distribution?
11. Define sex ratio.
12. Describe maternal mortality ratio.
13. What do you mean by positive and negative correlation?
14. Describe population projection.
15. What is simple random sampling?
16. What is confidence interval?
17. What kind of data filters is available in MS Excel?
18. What is data validation?