

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

[AHS 0523]

MAY 2023

Sub. Code: 2828

**MASTER OF HOSPITAL ADMINISTRATION (AHS)
FIRST YEAR (Candidates admitted in 2020-2021)
PAPER I – PRINCIPLES OF EPIDEMIOLOGY, RESEARCH METHODOLOGY,
BIostatISTICS AND MEDICAL ETHICS**

Q.P. Code: 432828

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Classify the types of Epidemiological study designs. Describe the cohort study design and distinguish between case control study and cohort study.
2. What are the levels of Prevention? Describe each level of Prevention with suitable examples. Add a note on Modes of disease intervention.

II. Write Short Notes on:

(10 x 6 = 60)

1. Disadvantages of Case control study.
2. Epidemic, Endemic and Pandemic.
3. Tools of epidemiology.
4. Measures of Dispersion.
5. Normal Distribution.
6. Student's t test.
7. Belmont's Principles in Ethics.
8. Correlation.
9. Graphical representation of Data.
10. Direct association, In-direct association and spurious association.
