

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

[AHS 0321]

MARCH 2021

Sub. Code: 3001

(OCTOBER 2020 EXAM SESSION)

M.Sc. EPIDEMIOLOGY

FIRST YEAR (From 2011-2012 onwards)

PAPER I – PRINCIPLES OF EPIDEMIOLOGY AND BIostatISTICS

Q.P. Code : 313001

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Epidemiology is a basic and indispensable science for public health and community medicine. Discuss the statement with common examples.
2. Discuss the process of development of a questionnaire in epidemiological research.

II. Write Short Notes on:

(10x6 = 60)

1. Central limit theorem.
2. Community Diagnosis.
3. How does epidemiology guide clinical decision making.
4. Steps in developing a research question.
5. Measurement scales for quantitative and qualitative variables.
6. Random error and its importance.
7. Preventive Paradox.
8. Determinants of sample size.
9. Visual analog scale.
10. Phases of a clinical trial.
