

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

[MD 0522]

MAY 2022

Sub. Code: 2051

M.D. DEGREE EXAMINATION

BRANCH XV – COMMUNITY MEDICINE

**PAPER I – TROPICAL MEDICINE AND PUBLIC HEALTH
BASIC SCIENCES IN COMMUNITY MEDICINE**

Q.P. Code: 202051

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 15 = 30)

1. Explain how natural history of a given disease is identified with an example? Give its usefulness.
2. Discuss distribution of fats in the human body, its measurement and factors affecting body fat.

II. Short notes:

(10 x 5 = 50)

1. Explain concept of “Web of causation” and its importance in disease control, with an example.
2. What are the uses of describing a disease/health related event in terms of “time”?
3. Discuss “Routine reports” from health institutions as a source of epidemiologic data, their uses and limitations.
4. Explain the various terms used in evaluating a diagnostic test.
5. Methods for control of transmission of infection by blood and body fluids.
6. How can BIAS be detected in a “Randomised Control study”?
7. Role of computers and software in planning, implementation, analysis & presentation of epidemiological research.
8. Sensitivity Analysis.
9. What factors determine the sample size for a research?
10. Quality control measures under ICDS scheme.

III. Reasoning Out:

(4 x 5 = 20)

1. Compare QALY & DALY.
2. Give a choice of 4 foods with quantity for providing recommended daily allowance of Vitamin A.
3. Compare Stratified Sampling with Cluster Sampling.
4. Describe the pictograms used for presenting data.
