

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

[AHS 0921]

**SEPTEMBER 2021
(MAY 2021 EXAM SESSION)**

Sub. Code: 3002

**M.Sc. EPIDEMIOLOGY
FIRST YEAR (From 2011-2012 onwards)
PAPER II – EPIDEMIOLOGY OF DISEASES OF PUBLIC HEALTH
IMPORTANCE AND DISEASE CONTROL
*Q.P. Code : 313002***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

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

1. Diarrhoeal disease in children has multiple factors that determine its occurrence and severity. How would you estimate epidemiologically, the magnitude of these factors in a given community?
2. How would you measure the factors associated with Nutritional Anaemia epidemiologically in a given village?

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

1. Describe the distribution and determinants of Resurgence of Diphtheria disease.
2. What are the new drugs introduced in Tuberculosis Control Program. How will you study the effectiveness and efficacy of these drugs?
3. Enlist the acute and chronic complications of diarrhoeal diseases in Under 5 children.
4. Discuss the strategy which led to eradication of Polio infection.
5. Explain how epidemiologically you can make a decision on choice of duration of intake of anti leprosy drugs (9 months or 12 months).
6. Give a brief note on the geographic distribution of Trachoma in India. Discuss the factors which led to its control in the rest of India.
7. Discuss what to do the following parameters reflect relating to malaria disease – Slide Positivity Rate (SPR), Slide falciparum rate (SFR), Annual Parasite Incidence (API) and Annual Blood Examination Rate (ABER).
8. Discuss the criteria for declaring a disease/event as a Public Health Emergency of International Concern (PHEIC) as per the International Health Regulations.
9. Define Mental Health. Discuss the issues in measuring Mental Ill health in a given town.
10. How is DISABILITY measured in individuals and at the community level.
