

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

[AHS 1022]

**OCTOBER 2022**

**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. What are the various strategy implemented for control of Dengue by the National Program for the control of Dengue? How would you epidemiologically assess the effectiveness of this strategy?
2. Explain the various aspects by which the burden of Accidents can be measured by epidemiology.

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Clarify how surveillance for 'Influenza Like Illness (ILI)' should be done.
2. Discuss the screening and diagnostic test used for detecting and confirming tuberculosis. Discuss small scale methods of providing "potable" water.
3. How would you compare the effectiveness of ORS versus ORS with Zinc supplementation in the control of diarrhoeal disease?
4. Discuss factors predisposing to Typhoid infection. How would you measure 'FOOD SANITATION PRACTICES' for an epidemiological study?
5. What are the rehabilitation measures for leprosy implemented under the National Leprosy Elimination Program?
6. Discuss factors which make screening for HIV infection essential within an epidemiologic perspective.
7. Following a complaint of open drainage system and associated mosquito menace, control measures were undertaken by the authorities. As an epidemiologist, how will you measure its impact on the control of Filariasis.
8. Discuss epidemiology of Multi Drug Resistant Bacteria.
9. What are the indicators you can use to measure the burden of DIABETES in a given community?
10. How is Screening for Cancer Cervix done under the National Program for control of cancer?

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