

SL.No: M23285

Course Code: 3339101

**VINAYAKA MISSIONS RESEARCH FOUNDATION, SALEM  
(Deemed to be University)**

**M.SC.(MASTER OF PUBLIC HEALTH) DEGREE EXAMINATION  
January 2021  
First Year**

**PRINCIPLES AND PUBLIC HEALTH PRACTICE**

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

**I. Write an Long essay on :** **(3 x 20 = 60)**

1. Define source and reservoir of infection. Describe in detail dynamics and modes of disease transmission.
2. What is epidemiological triad? Describe in detail the agent, Host and environmental factors.
3. List and define the various types of mortality indicators. What are the uses and limitations of mortality data?

**II. Write short essays on :** **(4 x 10 = 40)**

4. Write a detailed note on changing concepts in Public Health.
5. Discuss the concepts of prevention. Explain in detail the levels of prevention.
6. What are active, passive and herd immunity? What is the role of herd immunity in the prevention of an epidemic?
7. Explain the concepts of sensitivity, specificity, predictive values and likelihood ratios of screening tests.

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