

**Q.P. CODE: 511-A**  
**DR NTR UNIVERSITY OF HEALTH SCIENCES ::**  
**VIJAYAWADA-8**  
**M.B.B.S. DEGREE EXAMINATION – JANUARY, 2015**  
**FINAL M.B.B.S. EXAMINATION**  
**SOCIAL & PREVENTIVE MEDICINE**  
**(CONCEPTS, SOCIAL SCIENCES, NUTRITION,**  
**ENVIRONMENTAL SANITATION, STATISTICS AND GENERAL**  
**EPIDEMIOLOGY)**  
**PAPER - I**

Time: 3 Hours

Max. Marks: 60

**Note: Answer all questions. Answer Part-A & B in separate answer books. Answers in Part-A should not be answered in Part'B' or vice-versa. Otherwise they will not be valued. Draw diagrammatic representation wherever necessary.**

**PART – A (30 MARKS)**

1) Outline the design of a randomized control trial. Enumerate various types of clinical trials. 5+5=10

**WRITE SHORT NOTES ON:**

5 x 4 = 20

- 2) Describe the working of a septic tank
- 3) Spectrum of health
- 4) Environmental control of vectors
- 5) Social control mechanism
- 6) Ecology of malnutrition

**PART – B (30 MARKS)**

7) Define confounding factors. Describe how confounders can affect epidemiological study results. 5+5=10

**WRITE SHORT NOTES ON:**

5 x 4 = 20

8) Write the difference between slow sand and rapid sand filtration in water treatment.

9) Neurolathyrism

10) Enumerate genetic diseases. What are the preventive measures?

11) Describe the role of families in health and disease

12) Enumerate the sources of air pollution. What are the indicators of air pollution?

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