

**QP Code:102104**

**Reg. No.:.....**

**PG Degree Supplementary Examinations in Community Medicine (MD)  
December 2020**

**Paper II - Epidemiology Including Bio Statistics, Epidemiology of Communicable and  
Non-communicable Disease, Microbiology Including Entomology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. Explain the steps in conducting a Randomized Controlled Trial (RCT). Add a note on types of RCT study designs and types of randomization.

**Short essays:**

**(8x10=80)**

2. What is integrated vector management (IVM). Explain the strategies of IVM.
3. Enumerate the types of HIV surveillance. Describe the various components included in the HIV counselling and testing services under National AIDS Control Program.
4. Importance of sensitivity and specificity of screening tests.
5. Explain lot quality assurance sampling
6. Opportunistic screening for non - communicable diseases at primary health center level.
7. Discuss the nutritional support scheme for patients with tuberculosis in RNTCP.
8. Explain the epidemiological determinants of hepatitis B and add a note on its prevention
9. Discuss the epidemiology of road traffic accidents and its prevention.

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