

Reg. No.....

**MPH Part II Degree Regular/Supplementary Examinations April 2021**

**Paper I – Intermediate Epidemiology & Biostatistics, Health Informatics and Chronic & Infectious Disease Epidemiology**

**Time: 3 Hours**

**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*
- *Write Section A and Section B in separate answer books. Do not mix up questions from section A and section B*

**QP Code: 201314**

**Max Marks: 50**

**Section A – Intermediate Epidemiology and Biostatistics, Health Informatics**

**Short Essays:**

**(2x10=20)**

1. Describe the steps in doing a Randomised Control Trial (RCT). Enumerate the challenges in doing a RCT
2. Describe briefly about Analysis of Variance.

**Short Notes:**

**(6x5=30)**

3. Confidence Interval
4. Measures of dispersion
5. Relationship between Incidence and Prevalence
6. Normal distribution
7. Specificity of Association
8. Electronic Medical Record

**QP Code: 202314**

**Max. Marks: 50**

**Section B – Chronic and Infectious Disease Epidemiology**

**Short Essay:**

**(2x10=20)**

1. Define Epidemic curve. What are the different types of epidemic curves. Mention the use of epidemic curve in outbreak investigation
2. Briefly describe the epidemiology of type 2 diabetes mellitus in India.

**Short Notes:**

**(6x5=30)**

3. Incubation period
4. Screening for disease
5. Primordial prevention
6. Herd immunity
7. Disability Adjusted Life Years (DALY)
8. Mosquito larvae control

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