

Reg. No.....

**MPH Part II Degree Regular/Supplementary Examinations May 2024**

**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. Explain epidemiologic approach with suitable examples.
2. Discuss different types of non-probability sampling with suitable examples.

**Short Notes:**

**(6x5=30)**

3. Crude rates and specific rates
4. Z-square test
5. Sensitivity of a test
6. t-test
7. p-value
8. Type I error

**QP Code: 202314**

**Max. Marks: 50**

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

**Short Essay:**

**(2x10=20)**

1. Describe the WHO STEP wise approach to surveillance
2. Discuss the concept of DALYs and its application to national health system planning.

**Short Notes:**

**(6x5=30)**

3. Point of care diagnosis in infectious diseases epidemiology
4. Vaccine efficacy and effectiveness
5. Primary, secondary, and tertiary prevention
6. WHO Framework Convention on Tobacco Control (WHO FCTC)
7. NCD risk factor surveillance
8. Intra- and inter-observer variations

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