MPH Part I Degree Supplementary Examinations
April (October), 2020
Paper II – Introduction to Epidemiology, Basic Biostatistics, Quantitative and Qualitative Research Methods

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: 103314   Max Marks: 50

Section A – Introduction to Epidemiology & Basic Biostatistics

Short Essays: (2x10=20)

1. Define epidemiology. Discuss the morbidity and mortality measures in epidemiology.
2. What are measures of central tendency and measures of dispersion. What is standard error and confidence interval. Explain how these concepts help while writing a publication.

Short Notes: (6x5=30)

3. Temporal association
4. Probability distribution
5. Confounding and Bias
6. Epidemiologic soft-wares for data analysis
7. Demographic rates
8. Odds ratio and relative risk

QP Code: 104314   Max Marks: 50

Section B – Quantitative and Qualitative Research Methods

Short Essay: (2x10=20)

1. Describe the framework, steps, advantages and disadvantages of a cross sectional study with examples.
2. Discuss how you would develop a questionnaire for your research project.

Short Notes: (6x5=30)

3. In-depth interview
4. Data analysis in qualitative research
5. Literature review in research
6. Multivariable analysis
7. Variables in research
8. Scales of measurement.

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