

QP Code:101601

Reg.No.:.....

Final M Phil Clinical Epidemiology Examinations February 2016

Paper I – Clinical Epidemiology

Time: 3 hrs

Max marks:80

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

Essays:

(8x10=80)

1. Enumerate different types of experimental study designs used for clinical epidemiological research
2. What are the different types of bias which can be found in a case control study and how can you avoid these. Give examples.
3. What is crude and adjusted odd's ratio. What are the basic principles followed for sample size calculation for a case control study design.
4. Enumerate the evidence based medicine and what are the steps to be followed.
5. What is likelihood ratio and how it is calculated. How will you construct a receiver operator characteristic curve for a diagnostic test.
6. Enumerate publication ethics. Who can be given the right for authorship in a manuscript.
7. What are differences between quantitative and qualitative research work. For which types of study questions will you use qualitative research work.
8. What are the steps of protocol writing. What do you understand by SMART objective. Illustrate with an example.
