

**Q.P. Code: 502326**

**Reg. no.:** .....

**Fifth Year Pharm D Degree Supplementary Examinations  
December 2019**

**Pharmacoepidemiology and Pharmacoeconomics**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary

**Essays:**

**(3x10=30)**

1. Define and classify pharmacoeconomics. Explain various steps involved for conducting pharmacoeconomic evaluation with suitable example.
2. Explain the importance of the concept risk measurement in pharmacoepidemiology. Explain attributable-risk and relative risk with suitable examples.
3. Discuss various methods of medication adherence measurement

**Short notes:**

**(8x5=40)**

4. Needs and application of pharmacoepidemiology.
5. Drug utilization evaluation steps and its application.
6. Discuss case control and case cohort studies with examples
7. Cost utility analysis with an example.
8. Discuss incremental cost-effectiveness ratio and average cost-effectiveness ratio.
9. Incidence and incidence rate with suitable example.
10. Drug use measures in pharmacoepidemiology study.
11. Ad hoc data sources in pharmacoepidemiological studies

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