

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM  
(Deemed to be University)**

**Pharm.D DEGREE EXAMINATION - February 2020  
Fifth Year**

**PHARMACOEPIDEMIOLOGY AND  
PHARMACOECONOMICS**

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. a) Define Drug Utilization Review. Discuss the steps involved in conducting Drug Utilization Review. (1+9)
- b) Write a note on Cohort studies. (5)
2. a) Discuss the process of Prescription Event Monitoring. (10)
- b) Write on Record Linkage studies. (5)
3. a) Discuss in detail the pharmaco-economic evaluation methods. (10)
- b) Discuss the need of pharmaco-economic study. (5)

II. Write short answers on any **SIX** questions: (6 x 5 = 30)

4. Discuss the methods of monitoring Vaccine safety.
5. Write on Drug induced birth defects.
6. Discuss the origin and evolution of pharmacoepidemiology.
7. Write on Odd's ratio and Time-risk relationship.
8. Discuss on Case-Control studies.
9. Explain Outcome measures and Drug Use measures.
10. Write on Attributable risk and relative risk.
11. Discuss Cross sectional studies.

III. Write short notes on any **FIVE** question: (5 x 2 = 10)

12. Define Pharmacoepidemiology.
13. Case series
14. Methods to detect medication Adherence.
15. Any four applications Pharmaco-economics.
16. Any four applications of Pharmacoepidemiology.
17. Define Pharmaco-economics.

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