

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

**Pharm.D/ Pharm.D (POST BACCALAUREATE) DEGREE**  
**EXAMINATION - September 2021**  
**Fifth Year**

**PHARMACOEPIDEMIOLOGY AND PHARMACOECONOMICS**

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x15 = 30)

1. Discuss in detail the sources of data for pharmacoepidemiological studies.
2. Explain the various methods of pharmacoeconomic evaluation.
3. Discuss studies on vaccine safety and add a note on drug induced birth defects. (10+5)

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

4. Time risk relationship and Odd's ratio.
5. Discuss the evolution of pharmacoepidemiology.
6. Discuss the steps in drug utilization review.
7. Discuss the role of formulary management decisions.
8. Discuss on case- control studies.
9. Explain outcome measures and drug use measures.
10. Write on Meta- analysis.
11. Discuss about prescription event monitoring.

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

12. Explain units of drug dispensed.
13. Write on prevalence and incidence rate.
14. Define incidence and incidence rate.
15. What is case report and write its limitations.
16. Any four applications of pharmacoepidemiology.
17. Give examples for drug induced birth defects.

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