

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

Pharm.D (POST BACCALAUREATE) DEGREE EXAMINATION
August 2018
Fifth Year

PHARMACOEPIDEMIOLOGY AND
PHARMACOECONOMICS

Time: Three hours

Maximum: 70 marks

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

1. (a) Discuss the role pharmacoeconomics in formulary management decisions.
(b) Explain case series and spontaneous reporting with examples.
2. Discuss the application of pharmacoeconomics with three case studies.
3. (a) Write the applications of pharmacoepidemiology in drug induced birth defects.
(b) Explain how risk is managed in pharmacoepidemiological studies.

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

4. Explain cost utility analysis.
5. Write the history of pharmacoeconomics evaluation.
6. Describe surveys of drugs used.
7. Explain application of softwares in pharmacoeconomic evaluations.
8. Describe various methods for the measurement of medication adherence.
9. Define cohort studies and classify it.
10. Discuss case control studies with suitable examples.
11. Describe drug utilization review.

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

12. What are different sources of data for pharmacoepidemiological studies?
13. Write the significance of cost effective studies.
14. Explain units of drug dispensed.
15. Define Odds ratio and Cumulative incidence.
16. Write the difference between defined daily dose and prescribed daily dose.
17. Define incidence and incidence rate.
