

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**PHARM. D. Examination April - 2019**

**Year: 5****Subject Code: 08207502****Subject Name: Pharmacoepidemiology and Pharmacoeconomics****Date: 17/04/2019****Time: 10.00 am to 1.00 pm****Total Marks: 70****Instructions**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

**Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)**

1. Explain in details; Drug Use Measure
2. Define Risk; Elaborate "Concept of risk in Pharmacoepidemiology
3. Write in detail about spontaneous reporting system.

**Q.2 Short Essay Type Questions. (any 4 out of 5) (5 Mark Each) (20)**

1. Write about cohort.
2. Explain about: a) Case Report, b) Case Series.
3. Give note on "PEM"
4. Write a note on i) cost benefit analysis ii) cost minimization analysis.
5. Explain about: Application of Pharmacoeconomics.

**Q.3 Short Answers. (2 Mark Each) (20)**

1. If 50 among 2000 exposed and 51 among 3000 unexposed developed X side effect, find the Number of people need to treat to produce one more case of the outcome.
2. Record linkage data system.
3. Define: Pharmacoepidemiology.
4. What is Randomized Clinical Trials?
5. Write importance of vaccine safety.
6. Write about Claims database.
7. Define: a) Morbidity, b) Mortality
8. What are the Objectives of post marketing surveillance studies?
9. Give examples of software in Pharmacoeconomics.
10. State, different Ad Hoc data sources.