PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D (PB), May-2018 Examination

Year: 2   Date: 09/05/2018
Subject Code: 08207502   Time: 10:00am to 1:00pm
Subject Name: Pharmacoepidemiology and Pharmacoeconomics   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. Define Pharmacoepidemiology. Explain case control studies and cohort studies with suitable examples.

2. Define Pharmacoeconomics. Explain various pharmacoeconomic methods.

3. Explain the sources of data for pharmacoepidemiological studies.

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

1. Distinguish non randomized controlled trial and randomized database studies.

2. Explain about the advantages and bias in cross sectional studies.

3. Write about automated data system and its application in pharmacoepidemiological studies.

4. Write a note on drug induced birth defects.

5. Explain about risk management in pharmacoepidemiological studies.

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

1. What is the need for pharmacoeconomic evaluations?

2. Define case reports and case series.

3. What is relative risk? Explain with suitable example.

4. Write a note on bias in cohort studies.

5. Define factorial design.

6. Distinguish point and period prevalence.

7. Explain signal generation.

8. What is the need for drug surveillance?

9. Write about the softwares used in meta analysis.

10. Define medication adherence.