

Q.P. Code: 502326

Reg. no.:

**Fifth Year Pharm D Degree Supplementary Examinations
February 2022**

Pharmacoepidemiology and Pharmacoeconomics

Time: 3 Hours

Total Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(3x10=30)

1. Define Drug Utilization Review (DUR). Explain the steps involved in establishing a DUR program in a hospital setup.
2. Classify various study designs in pharmacoepidemiology. Explain any two-study design with suitable example.
3. Give three main difference between cost-minimization analysis and cost–benefit analysis. Outline the applications for both with suitable examples.

Short notes:

(8x5=40)

4. What is medication adherence and explain the measurement of adherence.
5. Prescribed daily dose with suitable example.
6. Drug induced birth defects.
7. Benefits of automated databases in pharmacoepidemiological research.
8. Discuss briefly on case reports and case series.
9. Direct medical and direct nonmedical costs with an example.
10. Software's used in pharmacoeconomic analysis with its applications.
11. Explain various outcome measures used for assessing the measurement of outcome in pharmacoepidemiology
