Fifth Year Pharm D Degree Regular/Supplementary Examinations July 2025

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. Describe in detail the steps involved in creating study design of the cost benefit analysis and cost utility analysis.

2. Identify the two major pharmacoepidemiological models used to test the relationship between drug exposure and patient outcomes and explain

3. Define pharmacoepidemiology. Explain the history and scope of pharmacoepidemiology

Short notes: **(8x5=40)**

4. Explain the significance of relative and attributable risk in a pharmacoepidemiological study.

5. List the various method of assessing medication adherence and explain any three important methods

6. Explain the benefits and limitations of a drug surveillance program

7. Write a note on studies of vaccine safety

8. Explain the types of cost in pharmacoeconomics.

9. Describe prevalence and incidence.

10. Explain cost – effectiveness model

11. Give the strengths and weaknesses of meta – analysis

****