



Pharmacoepidemiology and Pharmacoeconomics -II

Q.P. CODE: 5184

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY (Answer any Three)

3 X 10 = 30 Marks

1. Identify and explain the two major pharmacoepidemiological models used to test the relationship between drug exposure and patient outcomes.
2. Explain in detail the methods of Pharmacoeconomic evaluation.
 - a. Cost of minimization analysis.
 - b. Cost of benefit analysis.
 - c. Cost effective analysis.
 - d. Cost utility analysis.
3. Explain in detail the cohort studies in Pharmacoepidemiological study design and explain in detail the cohort classification?
4. Define DUE. Explain the steps involved in a DUE and mention the pharmacists' role in DUE study.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Explain the different types of cost in pharmacoeconomic study.
6. Describe the steps involved in formulating a study design in pharmacoepidemiology.
7. What are the requirements of an ideal database? Write the strength and weakness of automated database.
8. Describe spontaneous reporting system.
9. Define: a) Attributable risk b) Relative risk c) Odds ratio.
10. Explain the approaches to controlling confounding variables?
11. What is Marko model? Explain with examples.
12. Explain any three important methods of determining medication adherence.
13. Define HRQOL and explain in detail the need for measurement of HRQOL measures.
14. Describe studies of vaccine safety.

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