

Supply

Rajiv Gandhi University of Health Sciences, Karnataka
V Year Pharm-D /II Year Pharm D Post Baccalaureate Degree Examination – 03-May-2025

Time: Three Hours

Max. Marks: 70

PHARMACOEPIDEMIOLOGY AND PHARMACOECONOMICS (RS & RS-2)

Q.P. CODE: 2875 / 2891

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any two)

2 x 10 = 20 Marks

1. What is cost effective analysis. Explain with suitable examples the outcomes measured using cost effective analysis.
2. Identity and explain two major pharmacoepidemiological models used to test the relationship between drug exposure and patient outcomes.
3. Define risk and enlist the various factors influencing risk in pharmacoepidemiology. Explain relative risk and Odds ratio with suitable examples.

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Explain Cost Minimization Analysis and mention its applications.
5. What are the steps involved in formulating a study design in pharmacoepidemiology.
6. Write a note on Prescription event monitoring.
7. Explain few important pharmacoepidemiological studies involving drug induced birth defects.
8. Explain protocol development in ad-hoc studies.
9. Define medication adherence. Explain two methods to assess medication adherence
10. What is decision tree? With an example explain the use of decision tree in clinical decision analysis.
11. What are the requirements of an ideal database? Write the strength and weakness of automated database.

SHORT ANSWERS

10 x 2 = 20 Marks

12. What is signal generation? Explain its significance.
13. What is opportunity cost?
14. Define Prevalence and Incidence
15. Define Willingness to Pay.
16. Name any four computerized data base used in pharmacoepidemiological study.
17. What are case reports and give its significant.
18. Define QALY and QOL.
19. Define hospital pharmacoepidemiology.
20. Define Pharmacoeconomics.
21. Write a note on rational use of drugs.
