# Rajiv Gandhi University of Health Sciences, Karnataka

V Year Pharma-D Degree Examination – Aug / Sep 2011

**Time: Three Hours**                                                    **Max. Marks: 70 Marks**

## PHARMACOEPIDEMIOLOGY AND PHARMACOECONOMICS

# Q.P. CODE: 2875

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. Define pharmacoepidemology. Explain case – control studies and cohort studies with suitable examples

2. What is medication adherence? Explain the methods used to assess medication adherence.

3. Define pharmacoeonomics. Explain with suitable examples how the outcome is measured using cost effectiveness analysis. Give the advantages and disadvantages of this model

**SHORT ESSAYS (Answer any six)**                          **6 x 5 = 30 Marks**

4. Explain the strengths and weakness of automated databases

5. Explain the significance of relative and attributable risk in a pharmacoepidemological study

6. What is bias? Explain the different types of bias

7. Explain the advantages of pharmacoepidemological models over randomized controlled studies

8. What is Markov model? Give its application

9. Explain a few important pharmacoepidemological studies involving drug induced birth defects

10. Describe a typical DUE cycle

11. Describe the steps involved in a cost minimization analysis study

**SHORT ANSWERS**                                                  **10 x 2 = 20 Marks**

12. What is QALY?
13. What is signal generation? Mention its significance
14. What is the need of post marketing surveillance
15. Define the terms; prevalence and incidence
16. What is defined daily dose and prescribed daily dose
17. Give examples of Meta analysis models
18. What are the advantages of cross sectional studies
19. Define the term outcome research
20. What is 'opportunity cost' in a pharmacoeconomics study
21. List out the four primary perspectives from which a primary pharmacoeconomic study can be conducted

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