



## Rajiv Gandhi University of Health Sciences, Karnataka

V Year Pharma-D Degree Examination – Jan 2014

**Time: Three Hours**

**Max. Marks: 70 Marks**

### PHARMACOEPIDEMOLOGY 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. What is Bias? Explain the different types of Bias with examples in Pharmacoepidemiology.
2. Define DUE. Explain the steps involved in a DUE and mention the pharmacists role in DUE cycle.
3. Explain the merits and demerits of Cohort and case controlled study.

#### **SHORT ESSAYS (Answer any six)**

**6 x 5 = 30 Marks**

4. Explain the different types of cost in a pharmacoeconomic study.
5. What is Markov model? Explain with examples.
6. Describe studies of vaccine safety.
7. Explain the steps involved in Cost Minimization Analysis Study.
8. Explain the role of pharmacoeconomics in formulary management.
9. Explain the factors to determine cost of illness study.
10. How is confidence interval measured for an odds ratio?
11. Explain any three important methods of determining medication adherence.

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Define prevalence.
13. What is signal generation? Explain its significance.
14. What is outcome research?
15. Name four computerized databases used for Pharmacoepidemiological research.
16. What is willingness to pay?
17. Mention the limitations of pharmacoeconomic study.
18. What is case series?
19. Define sensitivity analysis.
20. Define attributable risk.
21. Define pharmacoeconomics and outcome research.

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