

[LE 826]

APRIL 2014

Sub. Code: 3826

DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**DEGREE EXAMINATION****FIFTH YEAR****PAPER II – PHARMACOEPIDEMIOLOGY AND PHARMACOECONOMICS*****Q.P. Code: 383826*****Time: Three Hours****Maximum: 70 marks****Answer All questions****I. Elaborate on:****(2 x 20 = 40)**

1. How do you express the outcome of drug use in pharmacoepidemiologic studies?
Discuss briefly on meta-analysis.
2. Discuss various criteria for pharmacoeconomic studies.
Explain cost-minimization analysis and cost-effectiveness analysis.
What are the various applications of pharmacoeconomics?

II. Write notes on:**(10 x 3 = 30)**

1. Methods of medication adherence measurement.
2. Randomized controlled trials and case control studies.
3. Applications of pharmacoepidemiology and pharmacoeconomics.
4. Use of software in pharmacoeconomics.
5. Origin and evolution of pharmacoepidemiology.
6. Briefly discuss the 'concept of risk' in pharmacoepidemiology.
7. Describe Ad Hoc data sources and automated data systems.
8. Explain cost benefit analysis and cost utility analysis.
9. Define pharmacoeconomics and discuss the need of pharmacoeconomic evaluations.
10. Prescription event monitoring and record linkage system.
