

[KZ 826]

Sub. Code: 3826

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE) DEGREE
EXAMINATION
FIFTH YEAR**

PAPER II – PHARMACOEPIDEMIOLOGY AND PHAMACOECONOMICS

Q.P. Code : 383826

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|----|----|
| 1. Define the term Pharmacoeconomics, the need for pharmacoeconomics in Indian scenario. Discuss the types of pharmacoeconomic evaluations | 17 | 40 | 20 |
| 2. Discuss the description, strength and weakness of automated data bases. Write about Group health Co-operative data base. | 17 | 40 | 20 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Define cross-sectional and meta-analysis studies with an example | 4 | 10 | 6 |
| 2. Give the applications of pharmacoeconomics | 4 | 10 | 6 |
| 3. Role of pharmacoeconomics in formulary management decision | 4 | 10 | 6 |
| 4. Need of pharmacoepidemiology and Evidence based medicine | 4 | 10 | 6 |
| 5. Define Drug utilization review and mention the steps involved | 4 | 10 | 6 |
| 6. Describe cost effectiveness analysis with an example | 4 | 10 | 6 |
| 7. Define cumulative incidence, prevalence and odd' ratio | 4 | 10 | 6 |
| 8. Define attributable risk and relative risk | 4 | 10 | 6 |
| 9. Drug use measures in terms of units of use | 4 | 10 | 6 |
| 10. Write about prescription event monitoring | 4 | 10 | 6 |

[LD 826]

OCTOBER 2013

Sub. Code: 3826

PHARM.D / POST BACCALAUREATE DEGREE EXAMINATIONS

FIFTH YEAR

PAPER II – PHARMACOEPIDEMIOLOGY AND PHAMACOECONOMICS

Q.P. Code : 383826

Time: Three Hours

Maximum: 70 marks

Answer ALL questions in the same order

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the significance and steps of drug utilization review.
2. What are the various types of pharmaco-economic evaluations? Explain.

II. Write notes on:

(10 x 3 = 30)

1. Describe
 - (a) cross sectional studies
 - (b) cohort studies
 - (c) case-control studies
2. Discuss briefly positive and negative outcomes of pharmacoepidemiological studies
3. Discuss Odds ratio and Relative Risk
4. Medication adherence and its measurement
5. Applications of epidemiological model
6. Record linkage system
7. Illustrate the use of softwares in pharmaco-economics
8. Role of pharmaco-economics in formulary management decisions
9. What is defined daily dose and prescribed daily dose
10. Discuss case reports and case series.

[LE 826]

APRIL 2014

Sub. Code: 3826

**PHARM. D/POST BACCALAUREATE DEGREE EXAMS
FIFTH YEAR
PAPER II – PHARMACOEPIDEMIOLOGY
AND PHAMACOECONOMICS**

Q.P. Code : 383826

Time : 3 hours

Maximum : 70 marks

I. Elaborate on :

(2x20=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 :

(10x3=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.
