

Q.P. Code: 502326

Reg. no.:

Fifth Year Pharm D Degree Supplementary Examinations, January 2017

Pharmacoepidemiology And Pharmacoeconomics

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Explain drug utilization review and its importance in clinical pharmacy.
2. Define incidence. Explain incidence proportion and incidence density in detail with examples.
3. What is cost-utility analysis. Explain cost utility of chemotherapy in breast cancer using following data.

Breast cancer chemotherapy	Cost for treatment	Years of life saved	Utility for each year of life saved
AC Regimen (Doxorubicin and Cyclophosphamide)	Rs. 10,000	6	0.8
CAF Regimen (Cyclophosphamide, Doxorubicin and 5- Fluorouracil)	Rs. 20,000	8	0.5

Short notes:

(8x5=40)

4. What are the aims and applications of pharmacoepidemiology.
5. Time-risk relationship with suitable example.
6. Methods used in medication adherence measurement.
7. What is spontaneous reporting and list the merits and de-merits of spontaneous reporting system.
8. Cohort study design with suitable example.
9. Mention the data sources commonly used for pharmacoepidemiological studies. Add a note on Ad Hoc data sources for pharmacoepidemiological studies.
10. List out the different types of pharmacoeconomic analyses. Add a note on cost minimization and cost-effectiveness analysis.
11. Importance of pharmacoepidemiology in drug induced birth defects.
