

**Q.P. Code: 403326**

**Reg. no.: .....**

**Fourth Year Pharm D Degree Examinations July 2019**

**Clinical Pharmacy**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:**

**(3x10=30)**

1. Discuss drug utilization evaluation (DUE) and drug utilization review (DUR)
2. Types and mechanisms of adverse drug reactions.
3. Discuss the activities of clinical pharmacist in a multispecialty hospital

**Short notes:**

**(8x5=40)**

4. Describe verbal and non-verbal skills required for patient counseling
5. Reporting of adverse drug reactions.
6. Medication chart review.
7. Brief about systematic approach in answering the drug information queries.
8. Renal function test and its significance.
9. What are the various types of lung volumes to assess respiratory problems
10. Medication errors
11. Critical evaluation of biomedical literature

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