

**Q.P. Code: 403326**

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

Fourth Year Pharm D Degree Supplementary Examinations, January 2017

**Clinical Pharmacy**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:**

**(3x10=30)**

1. Describe the steps in drug utilization evaluation (DUE) cycle.
2. Discuss the modified systematic approach to answering drug information queries.
3. Explain causality assessment of adverse drug reactions according to WHO and Naranjo's scale.

**Short notes:**

**(8x5=40)**

4. Liver enzymes tests with its normal values and clinical significance.
5. Clinical skills required for pharmacist for providing pharmaceutical care.
6. Non-verbal communication.
7. Medication error prevention by pharmacist.
8. Procedure in medication history interview.
9. Potential barriers in patient counseling.
10. Interventions during ward round participation.
11. Microbiological culture sensitivity test.

\*\*\*\*\*