

[PHARMD 0122]

**JANUARY 2022**  
**(OCTOBER 2021 EXAM SESSION)****Sub. Code: 3821**

**PHARM 'D' AND PHARM. 'D' (POST BACCALAUREATE) DEGREE EXAMINATION**  
**FOURTH YEAR**  
**PAPER III – CLINICAL PHARMACY**  
*Q.P. Code : 383821*

**Time : Three hours****Answer ALL Questions****Maximum : 70 Marks****I. Elaborate on:****(4 x 10 = 40)**

1. Define and classify medication errors. Explain the causes and prevention of medication errors.
2. What is pharmaceutical care? Explain various steps involved in it.
3. a) Classify and explain adverse drug reactions.  
b) Discuss causality assessment of adverse drug reactions.  
c) Highlight the role of pharmacist in Pharmacovigilance.
4. Discuss the steps involved in patient counseling. Give the importance and types of communication skills. Comment on barriers in patient counseling.

**II. Write notes on:****(6 x 5 = 30)**

1. Write a note on systematic approach in answering drug information.
2. Medication Chart review.
3. How would you perform quality assurance of drug information services?
4. Explain the steps in drug utilization evaluation.
5. What are the various renal functions tests? Explain in detail.
6. Write a note on pulmonary function tests and their significance.

\*\*\*\*\*