

## Sample of Questions for Foreign Pharmacy Graduate Equivalency Examination

### Pharmaceutics

**1. Which of the following is a type of Oral dosage form?**

- a. Aerosol
- b. Nebulizer
- c. suppository
- d. Tablet

**2. Enumerate the required quality control tests for a newly formulated tablet dosage form.**

### Pharmaceutical chemistry

**1. Regarding the structure-activity relationships of sympathomimetic, as the bulk of the nitrogen substituent increases:**

- a.  $\alpha$ -receptor agonist increases and  $\beta$ -receptor activity decreases.
- b.  $\alpha$ -receptor antagonist increases and  $\beta$ -receptor activity decreases.
- c.  $\alpha$ -receptor agonist decreases and  $\beta$ -receptor activity increases.
- d.  $\alpha$ -receptor agonist increases and  $\beta$ -receptor antagonistic activity decreases.

**2. Answer the following questions**

a. Protein binding has benefits:

b. Prodrug is:

## Pharmacognosy

1. *Isoquinoline alkaloid compound is obtained from*

- a. Digitalis purpurea
- b. Rheum officinale
- c. Atropa belladonna
- d. Papaver somniferum

2. *Give medicinal activities and name of important active constituents of the following medicinal plants:*

*Ephedra sinica, Cassia acutifolia, Pilocarpus jaborandi*

## Pharmacology

*Pharmacokinetic properties of a drug is*

- a. a chemical alteration of drug molecules in liver
- b. a response that's produced as a result of interaction of the drug with living cells
- c. processes which the drug molecules pass through in the body
- d. interaction of the drug with the receptor and production of the response

2. **Match each of the following drugs with the relevant word:**

- a. L-Dopa   b-Ranitidine   c- Insulin   d-loratadine   e-Valproic acid   f-Frusemide  
g-Verapamil   h-Propranolol

	Relevant word	Answer
1	H <sub>2</sub> Antagonist	
2	Parkinsonism	
3	Tyrosine kinase linked receptor	
4	H <sub>1</sub> Antagonist	