

**M.D. DEGREE EXAMINATION**

**BRANCH VI – PHARMACOLOGY**

**PAPER I – GENERAL PHARMACOLOGY, EXPERIMENTAL  
PHARMACOLOGY AND BIOASSAY**

*Q.P.Code: 202022*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. Discuss the evaluation techniques for anticancer agents.
2. Describe in detail about the biotransformation reactions and clinical relevance of enzyme inhibition.

**II. Short notes:**

**(10 x 5 = 50)**

1. Herbal drug interactions.
2. Receptor regulation.
3. Bioassay of oxytocin.
4. Breast milk excretion of drugs.
5. Schild plot method.
6. Mass spectrometry.
7. Langendorff's preparation.
8. Schedule H drug.
9. Ethnopharmacology.
10. Types of error.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Pharmacokinetic types of pharmacogenetic variations.
2. Special formulation of subcutaneous routes.
3. Clinical importance of protein binding.
4. Novel Ophthalmic drug delivery system.

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