

**M.D. DEGREE EXAMINATION**  
**BRANCH VI – PHARMACOLOGY**

**PAPER IV – APPLIED PHARMACOLOGY AND LAWS GOVERNING  
DRUG REGULATIONS**

*Q.P. Code: 202025*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Essay:** **(2 x 15 = 30)**

1. Mention the major classes of immunosuppressive drugs used in organ transplantation.  
What are the general approaches to organ transplantation therapy?  
Write in detail about the mechanism of action, adverse effects and uses of Calcineurin inhibitors. Enumerate the recent advances in organ transplant therapy.
2. Pharmacovigilance in India. Scope and objectives of PvPi. Goals of PvPi.  
ADR data flow. Assessment of individual case safety reports.

**II. Short notes:** **(10 x 5 = 50)**

1. Aromatase inhibitors.
2. Antibiotic policy.
3. Compensations for research related harm.
4. Research on narcotic drugs in India.
5. Informed consent.
6. Pharmaco economic studies.
7. Biological medicinal products.
8. Randomization.
9. Linezolid.
10. NMDA receptor antagonists.

**III. Reasoning Out:** **(4 x 5 = 20)**

1. Leucovorin in methotrexate toxicity.
2. Oprelvekin in thromocytopenia.
3. Lay person in ethics committee.
4. Placebo.

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