

**Q.P.CODE:152-NR**

*Dr. NTR University of Health Sciences::Vijayawada-520 008*  
**M.D. DEGREE EXAMINATION – APRIL, 2018**

**PHARMACOLOGY**

Paper-I : Pharmacology General Principles and Experimental  
Pharmacology including Biostatistics and Bio-assay.

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Membrane Transporters and drug response
- 2) Personalized Medicine
- 3) G Protein Coupled Receptor
- 4) Describe the Chi-Square test and its uses
- 5) Spectrophotometer
- 6) Role and responsibilities of Human ethics committee
- 7) Materiovigilance
- 8) Newer drug delivery system
- 9) Acute toxicity animal studies
- 10) Drug metabolizing enzyme induction and inhibition

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