

QP Code: 3283

Reg No: .....

M Pharm Part I Degree Examinations - June  
2012 (Pharmacology)  
Paper III - Recent Advances in Pharmacology

Time: 3 hrs

Maximum Marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays: (2x20 =40)

1. Elaborate the mechanisms of neurohumoral transmission in ANS and add a note on influence of drugs on neurotransmitter uptake mechanisms
2. Broadly discuss about cannabinoid receptors and explain the general pharmacology and therapeutic importance of cannabinoid receptor antagonists

Short Essays: (6x10=60)

3. Explain the drug-receptor interaction with illustrations
4. Explain the general pharmacology of peptide and protein drugs
5. Explain : •Therapeutic potential of stem cells •Oligonucleotide therapy
6. Describe the structure and function of antibodies
7. Explain : Antisense agents •Regulatory requirements of nutraceuticals
8. Describe the mechanism of anti-microbial resistance development and challenges in combating MOR-TB

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