



29 MAY 2013

Roll No.

Total No. of Pages : 01

Total No. of Questions : 06

M. Pharmacy (Pharmacology) (Sem.-2nd)

RECENT ADVANCES IN PHARMACOLOGY

Subject Code : PHM-516

Paper ID : [E0212]

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTION TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carry SIXTEEN marks.

1. (a) Discuss structural and functional features of GABA_A receptor complex.
(b) Add a note on cyclic nucleotides. [10 + 6]
2. Discuss briefly the following :
 - (a) Application of proteomics in drug discovery and development (4)
 - (b) Endothelins (4)
 - (c) PPAR_γ receptors. (4)
 - (d) Rationale for therapeutic use of GP IIb/IIIa antagonist. (4)
3. (a) Discuss clinical uses of Phosphodiesterase inhibitors.
(b) Write a note on clinical implications of Chronobiology. [10 + 6]
4. (a) Discuss pharmacological implications and therapeutic potential of apoptosis.
(b) Write a note on Neuropeptide Y. [8 + 8]
5. Write short notes on following :
 - (a) Myocardial remodeling
 - (b) CFTR
 - (c) Role of excitatory amino acid receptors in neurodegeneration
 - (d) Protein kinases. [4 + 4 + 4 + 4]
6. Describe pharmacology of nitric oxide and discuss therapeutic implications of Endothelial dysfunction. [16]