

**[KN 544]****Sub. Code : 4065****SECOND M.B.B.S. DEGREE EXAMINATION.**

(Non-Semester)

(Revised Regulations)

**Paper V — PHARMACOLOGY — I**

Time : Three hours                            Maximum : 100 marks

Theory : Two hours and                      Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes                    M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

**I. Write Essay:**                                 $(2 \times 15 = 30)$ (1) (a) Classify adrenergic drugs.  
(b) Discuss in detail the mechanism of action and cardiovascular actions of adrenaline.(c) What are the side effects of adrenaline?  
(d) What are the therapeutic uses of adrenaline?                                 $(4 + 7 + 2 + 2)$ (2) (a) Classify anti hypertensive drugs.  
(b) Discuss the mechanism of action and cardio-vascular actions of Enalapril.

(c) What are the uses of calcium channel blockers?

(d) How do you treat hypertensive emergencies?                                 $(2 + 7 + 2 + 4)$ **II. Write briefly on :**                                 $(10 \times 5 = 50)$ 

- (a) Plasma half life and its significance
  - (b) Selective serotonin re uptake inhibitors
  - (c) Zileuton
  - (d) Low molecular weight heparins
  - (e) Treatment of status asthmaticus
  - (f) Therapeutic uses and side effects of Atropine
  - (g) Role of organic nitrates in myocardial infarction
  - (h) Pre anesthetic medication
  - (i) Non sedative anti histamines
  - (j) Lovastatin.
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