



[LQ 544]

FEBRUARY 2020

Sub.Code :5061

**M.B.B.S. DEGREE EXAMINATION
SECOND YEAR
PAPER I – PHARMACOLOGY – I**

Q.P. Code: 525061

Time: Three hours

Maximum : 40 Marks

Answer All Questions

I. Elaborate on:

(2 + 6 + 2 = 10)

1. Classify anti-hypertensive drugs. Discuss in detail about the management of hypertensive emergency and urgency. Which anti-hypertensives are to be avoided in pregnancy and Why?

II. Write notes on:

(6 x 4 = 24)

1. Discuss in detail about the phase II bio-transformation reactions with suitable examples.
2. Enumerate 2nd generation H₁ antagonists and their uses. Discuss the difference between 1st and 2nd generation antihistamines.
3. Discuss the mechanism of action, uses and techniques of local anaesthetics.
4. Compare and contrast conventional and atypical antipsychotics.
5. Discuss the role of vasodilators in acute heart failure.
6. Discuss the mechanism of action, uses and adverse effects of spironolactone.

III. Short answers on:

(6 x 1 = 6)

1. Define bioavailability. Why is it less when the drug is given orally?
2. Why is pralidoxime not used as antidote for carbamate anti-cholinesterases poisoning?
3. Mention adverse effects of theophylline.
4. List four differences between buspirone and benzodiazepines.
5. Mention four common drug interactions in an alcoholic individual.
6. Adenosine.

