

(LQ 4264)

FEBRUARY 2020

Sub. Code: 4264

**B.PHARM. DEGREE EXAMINATION  
THIRD YEAR  
PAPER IV – PHARMACOLOGY – I**

*Q.P. Code: 564264*

**Time: Three hours****Maximum: 100 Marks****I. Elaborate on:****(2 x 20 = 40)**

1. Explain various routes of administration with its advantages and disadvantages. Add a note on novel drug delivery system.
2. a) Classify drugs.  
b) Explain mechanism of action, pharmacological action, therapeutic uses and adverse reaction of Acetylcholine.

**II. Write notes on:****(8 x 5 = 40)**

1. Define angina pectoris and classify antianginal drugs.
2. Selective serotonin reuptake inhibitors.
3. Factors affect drug absorption.
4. Bioassay of Digitalis.
5. Write Pharmacological action and uses of Aspirin.
6. Classify Antitussives and expectorants with suitable examples.
7. Classify Diuretics. Mention adverse effects of loop diuretics.
8. Write brief note about Selective  $\beta_2$  agonists and its uses.

**III. Short answers on :****(10 x 2 = 20)**

1. Define Pharmacoeconomics.
2. Define Bioavailability.
3. Name any two sympathomimetic drugs.
4. Give two examples of centrally acting skeletal muscle relaxants.
5. Write treatment of acute alcoholism.
6. Write different stages of General anaesthetics.
7. Define Cardiac arrhythmias. Give two examples of antiarrhythmic drugs.
8. Write any two drugs used angiotensin converting enzyme inhibitors and uses.
9. Define Bio-transformation.
10. Define Bronchospasm.

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