

[BPHARM 0921]

SEPTEMBER 2021  
(FEBRUARY 2021 EXAM SESSION)

Sub. Code: 4264

**B. PHARMACY DEGREE EXAMINATION**  
**THIRD YEAR – (NON-SEMESTER)**  
**PAPER IV – PHARMACOLOGY - I**  
*Q.P. Code: 564264*

**Time: Three hours**

**Answer ALL questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. What is bio transformation? What are the Cytochrome enzymes? Explain the various phases of bio transformation reactions with suitable examples.
2. a) Define Parasympatholytics & classify it with examples for each group.  
b) Describe the pharmacological actions, adverse effects and therapeutic uses of Atropine.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Write a note on treatment of shock.
2. Enumerate Antitussives drugs.
3. Give reasons for the usage of Preanaesthetic medications before surgery.
4. Write note on different types of Bio assay.
5. Explain the mechanism of action & therapeutic uses of Digoxine.
6. Write the Mechanism of action and therapeutic uses of Selective serotonin reuptake inhibitors.
7. Write the Mechanism of action of Spiranalactone and Give its adverse effects.
8. Classify Neuromuscular blocking agents with examples.

**III. Short answers on:**

**(10 x 2 = 20)**

1. What is the rationality of combining Adrenaline with Local anaesthetics.
2. Name two therapeutic uses of Bromocriptine.
3. Name two side effects of Phenytoin.
4. Define physiological Antagonism & give two examples.
5. Name two Neurotransmitters each of the ANS & CNS.
6. Propranolol is contraindicated in Bronchial asthma-Explain.
7. What is Vasopressin? Give its use.
8. Give two examples for HMG-CoA reductase inhibitors.
9. Write the mechanism of action of Disulfiram.
10. Name any two Class II Antianginal drugs.

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