



PAPER ID-311136

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Subject Code: BP503T

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**BPHARM**  
**(SEM V) THEORY EXAMINATION 2023-24**  
**PHARMACOLOGY II – THEORY**

**TIME: 3 HRS****M.MARKS: 75**

**Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A****1. Attempt all questions in brief.****10 x 2 = 20**

|    |                                                                              |
|----|------------------------------------------------------------------------------|
| a. | Describe starling's law.                                                     |
| b. | Give mechanism of action and uses of statins.                                |
| c. | Demonstrate treatment approaches for hypovolemic shock.                      |
| d. | Compare newer H1-antihistaminics with first-generation antihistaminic drugs. |
| e. | Define and classify autocoids.                                               |
| f. | Investigate the effect of parathormone and calcitonin in calcium balance.    |
| g. | Classify various endocrine glands and their hormones.                        |
| h. | Define tocolytics and classify them.                                         |
| i. | Give mechanism of colchicine against gout.                                   |
| j. | Give principle and applications of bioassay.                                 |

**SECTION B****2. Attempt any two parts of the following:****2 x 10 = 20**

|    |                                                                                                                         |
|----|-------------------------------------------------------------------------------------------------------------------------|
| a. | Classify anticoagulants. Explain the mechanism, pharmacological action, adverse reactions and interactions of warfarin. |
| b. | Classify NSAIDs. Discuss pharmacology of aspirin.                                                                       |
| c. | Illustrate the synthesis, release, regulation and pharmacological actions of thyroid hormone.                           |

**SECTION C****3. Attempt any five parts of the following:****5 x 7 = 35**

|    |                                                                                              |
|----|----------------------------------------------------------------------------------------------|
| a. | Explain mechanism of action, uses and interactions of digitalis.                             |
| b. | Define hematinics. Write a note on maturation factors.                                       |
| c. | Classify oral hypoglycemics. Discuss mechanism and pharmacological actions of sulfonylureas. |
| d. | Enlist diuretic drugs. Give mechanism, pharmacological actions and uses of thiazides.        |
| e. | Classify antirheumatics. Explain pharmacology of probenecid.                                 |
| f. | Discuss various oral contraceptives with their mechanisms.                                   |
| g. | Discuss any two methods for bioassay of d-tubocurarine.                                      |