

**NKT/KS/17/6577**

**B. Pharm. Seventh Semester (C.B.S.) Examination**  
**PHARMACEUTICAL MEDICINAL CHEMISTRY-III**  
**Paper-2**

Time : Three Hours]

[Maximum Marks : 80

**N.B. :—** (1) Question No. 1 is compulsory.(2) Attempt any **FOUR** questions from remaining.

(3) Draw neat labelled diagram wherever necessary.

1. Solve any **FIVE** from the following :

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| (a) Explain the metabolism of adrenergic neurotransmitters.  | 4  |
| (b) Give the classification of Diuretics.  | 4  |
| (c) What are anabolic agents ? Explain in brief.   | 4  |
| (d) What are anticholinergic agents ? Explain with examples.   | 4  |
| (e) Write S.A.R. of cholinergic agents.  | 4  |
| (f) Write synthesis of Acetazolamide.  | 4  |
| (g) What are thrombolytics ? Explain classification of thrombolytics with examples.                              | 4  |
| 2. (a) What are Antihypertensives ? Explain with classification and SAR of calcium channel blockers.             | 8  |
| (b) Write a note on hypolipidemic agents.  | 7  |
| 3. What are adrenocorticoids ? Explain with structures, mode of action and SAR of each category.                 | 15 |
| 4. (a) What are adrenoceptor blockers ? Explain with structures and SAR.   | 8  |
| (b) Write a note on neuromuscular blocking agents.   | 7  |
| 5. (a) Write a note on oral contraceptives.  | 8  |
| (b) Explain classification of Antianginal drugs.   | 7  |
| 6. What are Antiarrhythmic drugs ? Explain SAR and mode of action of antiarrhythmic drugs with their structures. | 15 |
| 7. (a) Write note on Vasodilators  | 7  |
| (b) Explain biosynthesis, storage, release and metabolism of acetyl choline.                                     | 8  |

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