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**B. Pharmacy 6th Semester Examination**

**Medicinal Chemistry-II (NS)**

**BP-361**

**Time : 3 Hours**

**Max. Marks : 70**

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

- Note :** (i) The question paper consists of three sections A, B and C.  
(ii) Attempt any two questions from section A and any eight questions from section B.  
(iii) Section C is compulsory.

**SECTION - A**

1. Classify the diuretics and discuss a brief note on diuretics. (10)
2. What are steroids? Discuss the mode of action, SAR and uses of adrenocorticoids (10)
3. Write notes on the following  
(i) Antiarrhythmic drugs (ii) NSAIDS (10)

**SECTION - B**

4. Write a note on antianginal drugs. (5)
5. Discuss the mode of action and synthesis of warfarin. (5)
6. Discuss the calcium channel blockers. (5)

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7. Classify antihistaminic drugs and discuss the SAR of phenothiazine derivatives. (5)
8. Write a brief note on anabolic agents. (5)
9. Discuss the chemistry and uses of aspirin. (5)
10. Discuss the structure activity relationship and uses of biguanides derivatives. (5)
11. Write a note on prostaglandins. (5)
12. Discuss the synthesis and uses of chlorpheniramine. (5)
13. Discuss the mode of action and synthesis of paracetamol. (5)

**SECTION - C**

14. What are oral hypoglycaemics? (2)
15. What are COX inhibitors? (2)
16. Discuss the therapeutic uses of oxytocin. (2)
17. Define the opioid analgesics. (2)
18. What are antiplatelet drugs? (2)

[P.T.O.]