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**B. Pharmacy (Seventh Semester) Examination,
Nov.-Dec. 2019**

(New Scheme)

(Pharmacy Branch)

MEDICINAL CHEMISTRY-III

Time Allowed : Three hours

Maximum Marks : 70

Note : Attempt any five questions. Each question carries equal marks.

- 1. Write the Stereochemistry of Steroids. Give the synthesis of progesterone and its structural activity relationship in detail. 14
- 2. (a) What are Diuretics? Give the detail classification. 4

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- (b) Discuss the synthesis, mechanism of action and SAR of thiazide diuretic drug. 10
- 3. What are Oral Hypoglycemics? Explain the biosynthesis, SAR and mode of action of insulin. 14
- 4. Discuss the chemistry of β -lactam antibiotics. Describe the MOA of penicillin antibiotic with SAR. 14
- 5. Give the detail classification of anti hypertensive compounds. Discuss the synthesis of methyldopa and nifedipine alongwith the SAR of 1, 4-dihydropyridine derivatives. http://www.csvtuonline.com 14
- 6. Write the detail about Alkylating agent used as anti-neoplastics with their chemistry. 14
- 7. Write notes on : (any two) 2x7=14
 - (a) Triamterene & Procainamide
 - (ii) Malaria treatment
 - (iii) Steroidal anti-inflammatory agent
 - (iv) Zidovudine & Prazocin