

[KG 519]**Sub. Code : 4021****SECTION B****SECOND M.B.B.S. DEGREE EXAMINATION.**

Common to all Regulations

Part I

Paper I — PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Two and a half hours

Sec. A & Sec. B : 70 marks

for Sec. A & Sec. B.

Section C : 30 marks

Section C must be answered separately on the answer sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A

1. Classify β -adrenergic receptor blocking drugs. Discuss the mechanism of action, pharmacological action, adverse effects and therapeutic uses of propranolol. State how metoprolol is superior to this drug. (15)

2. Write short notes on : (4 × 5 = 20)

- (a) Biological half life of a drug.
- (b) Non-sedative anti-histaminic drug.
- (c) Calcium channel blockers.
- (d) Loop diuretics.

3. Classify the drug used in the treatment of malaria. Describe the pharmacological actions, adverse effects and therapeutic uses of the cinchona alkaloids and the 4-Amino Quinolines. (15)

4. Write short notes on : (4 × 5 = 20)

- (a) Oxytocin.
- (b) Co-Trimoxazole.
- (c) Adverse effects of Insulin.
- (d) Vitamin-A.