Reg. No.			

#### (REGULAR) PAPER I

Tuesday, January 14, 2025

Max. Marks: 100 Time: 14:00 - 17:00 Hrs. Answer ALL the questions **Essay Questions:** es Discuss the transducer mechanisms involved in drug action. 1. (15 marks) Discuss Pharmacokinetic drug interactions with suitable examples. 2. (15 marks) Write briefly on: 3A. Chiral drugs 3B. Drug prescribing in pregnancy 3C. Carrier mediated drug transport 3D. Types of medication errors and strategies to prevent them 3E. Drug withdrawal reactions 3F. Action of antimalarial drugs at the various stages of life cycle of malarial parasite in man and its relevance in therapy. 3G. Drug selectivity and specificity 3H. Renal disease influencing drug disposition and action Rectal dosage forms 3I. Factors influencing the induction and recovery of anesthesia by inhalation anesthetics 3J.  $(7 \text{ marks} \times 10 = 70 \text{ marks})$ 

Reg. No.				

### (REGULAR) PAPER II

Wednesday, January 15, 2025

Time: 14:00 – 17:00 Hrs. Max. Marks: 100

1. Discuss the role and responsibilities of Institutional Ethics Committee.

(15 marks)

2. Discuss rational prescribing of medicines.

(15 marks)

- 3. Write briefly on:
- 3A. Any two methods of evaluation in Pharmacoeconomics
- 3B. Therapeutic audit
- 3C. Chromatography principles and applications
- 3D. Therapeutic drug monitoring
- 3E. Meta-analysis
- 3F. Drug information services
- 3G. Chi square test
- 3H. Post marketing surveillance
- 3I. Expiry date of pharmaceuticals
- 3J. Essential medicines

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$ 

Reg. No.
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#### (REGULAR) PAPER III

Thursday, January 16, 2025

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

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1. Discuss the various drugs used in the treatment of osteoporosis.

(15 marks)

2. Discuss the therapeutic strategies and the drugs used in management of Parkinsonism.

(15 marks)

- 3. Write briefly on:
- 3A. Drugs used for treatment of neuropathic pain
- 3B. Direct thrombin inhibitors
- 3C. Nutraceuticals
- 3D. Drugs used to treat benign prostatic hyperplasia
- 3E. Non-cardiac uses of beta adrenergic blockers
- 3F. Uses and adverse effects of doxycycline
- 3G. Aromatase inhibitors
- 3H. Voriconazole
- 31. Management of acute severe asthma
- 3J. Eplerenone

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$ 

Reg. No.							
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#### (REGULAR) PAPER IV

Friday, January 17, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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1. Discuss the various strategies of COVID-19 therapy. Add a note on different vaccines developed against COVID-19.

(15 marks)

2. Discuss recent advances in the treatment of tuberculosis.

(15 marks)

- 3. Write briefly on:
- 3A. Drugs obtained from recombinant DNA technology
- 3B. Prostaglandin analogues
- 3C. Patient controlled analgesia
- 3D. Angiogenesis inhibitors in cancer therapy
- 3E. Role of anti-oxidants in clinical practice
- 3F. Oxygen therapy
- 3G. Theranostics
- 3H. Fifth generation cephalosporins
- 31. Current status of phosphodiesterase inhibitors in therapy
- 3J. Granulocyte colony stimulating factors

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$