Reg. No.		
Contract Con		

MD (PHARMACOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER I: GENERAL PHARMACOLOGY, CLINICAL PHARMACOLOGY, BIOSTATISTICS AND SCREENING

Monday, April 02, 2012

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- Write your answers that are brief, clear, relevant and legible.
- Ellustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.

1. Essay Questions:

- 1A. Discuss the significance of drug receptor interactions with suitable examples. Illustrate how age and disease affect the responsiveness to drug therapy.
- 1B. Describe the experimental methods to evaluate anti-diabetic action of drugs.

 $(20 \times 2 = 40 \text{ marks})$

2. Write briefly on:

- 2A. The relationship of drug distribution to pharmacodynamics
- 2B. The prerequisites and explain the study design of phase II clinical trial
- 2C. "conflict of interest" giving a suitable example
- 2D. The clinical significance of enzyme induction
- 2E. Precautions to be followed while prescribing drugs in pregnancy
- 2F. The impact of cost on selection of drug therapy for chronic management of diseases

 $(10\times6 = 60 \text{ marks})$



Reg. No.		
----------	--	--

MD (PHARMACOLOGY) DEGREE EXAMINATION - APRIL 2012

SUBJECT: PAPER II: AUTONOMIC NERVOUS SYSTEM, CARDIOVASCULAR SYSTEM, DIURETICS, RESPIRATORY SYSTEM

Tuesday, April 03, 2012

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Essay Questions:

- 1A. Discuss Vaughan-Williams classification of Anti-arrhythmic agents with its merits and demerits. Discuss the mechanism of action of each class of these drugs.
- 1B. Discuss the pharmacology of alpha (α) blockers. Add a note on their current status in therapeutics.

 $(20 \times 2 = 40 \text{ marks})$

2. Write briefly on:

- 2A. Aldosterone antagonist in therapeutics
- 2B. Na⁺ / K⁺ / 2C1⁻ symport inhibitors
- 2C. Pharmacotherapy of myasthenia gravis
- 2D. Sodium Nitroprusside
- 2E. Inhalational agents used in bronchial asthma
- 2F. Atropine derivatives in therapeutics

 $(10\times6 = 60 \text{ marks})$



Reg. No.			

MD (PHARMACOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER III: CENTRAL NERVOUS SYSTEM, GASTRO INTESTINAL TRACT, BLOOD, AUTACOIDS, MISCELLANEOUS.

Wednesday, April 04, 2012

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Essay Questions:

- 1A. Mention the various dopaminergic pathways in central synapses. Discuss the effect of drugs in nigrostriatal pathway.
- 1B. Discuss the recent advances in the treatment of epilepsy.

 $(20 \times 2 = 40 \text{ marks})$

2. Write briefly on:

- 2A. Low molecular weight heparins
- 2B. Atypical antipsychotics
- 2C. d- Penicillamine
- 2D. Intravenous anaesthetics
- 2E. Pharmacotherapy of H-Pylori infection
- 2F. Therapeutic uses and toxicity of oxygen

 $(10 \times 6 = 60 \text{ marks})$

Reg. No.				
----------	--	--	--	--

MD (PHARMACOLOGY) DEGREE EXAMINATION – APRIL 2012 SUBJECT: PAPER IV: CHEMOTHERAPY, HORMONES, VACCINES, VITAMINS

Thursday, April 05, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Essay Questions:

- 1A. Discuss the various mechanisms in the development of antimicrobial resistance and add a note on the methods adopted to prevent it.
- 1B. Discuss various drugs used in thyrotoxicosis with their rationale.

 $(20 \times 2 = 40 \text{ marks})$

2. Write briefly on:

- 2A. Somatostatin analogs
- 2B. Therapeutic uses of gonadotropins
- 2C. Paclitaxel
- 2D. Artemisinins
- 2E. Antirabies vaccine
- 2F. Newer insulin delivery devices

 $(10 \times 6 = 60 \text{ marks})$

