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

MD (PHARMACOLOGY) DEGREE EXAMINATION - APRIL 2014

SUBJECT: PAPER I: GENERAL PHARMACOLOGICAL PRINCIPLES AND APPLIED SCIENCES

Tuesday, April 01, 2014

Time: 14:00 – 17:00 Hrs.	Max. Marks:

- Answer ALL the questions.
- ∠ Long Essays:
- Discuss various transducer mechanisms.

(15 marks)

2. Discuss pharmacokinetic drug interactions with examples.

(15 marks)

- 3. Write short notes on:
- 3A. Drugs contraindicated during pregnancy
- 3B. Receptor theory of drug action
- 3C. Dose response relationship
- 3D. Age as a factor modifying drug action
- 3E. Principles of HPLC
- 3F. Plasma half-life
- 3G. Fixed drug eruptions
- 3H. Principles of management of poisoning
- Drug withdrawal reactions
- 3J. Enzyme inhibitors



Reg. No.			
0			

MD (PHARMACOLOGY) DEGREE EXAMINATION - APRIL 2014

SUBJECT: PAPER II: SYSTEMIC PHARMACOLOGY, CHEMOTHERAPY AND THERAPEUTICS

Wednesday, April 02, 2014

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

- Answer ALL the questions.
- & Long Essays:
- 1. Discuss the pharmacology of vasodilators in hypertension.

(15 marks)

2. Discuss the treatment of opportunistic infections in AIDS.

(15 marks)

- Write short notes on:
- 3A. Fentanyl
- 3B. Catechol-O-methyl transferase inhibitors
- 3C. Drug treatment of inflammatory bowel disease
- 3D. Lithium carbonate
- 3E. Vasopressin receptor antagonists
- 3F. Antiplatelet drugs
- 3G. Selective estrogen receptor modulators
- 3H. Topical steroids
- 31. Antipseudomonal penicillins
- 3J. Artemisinin based Combination Therapy (ACT)

Reg. No.

MD (PHARMACOLOGY) DEGREE EXAMINATION - APRIL 2014

SUBJECT: PAPER III: EXPERIMENTAL PHARMACOLOGY, BIOASSAY AND STATISTICS

Thursday, April 03, 2014

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

- Answer ALL questions.
- ∠ Long Essays.
- 1. Discuss various animal models for screening antipsychotics.

(15 marks)

2. Discuss screening methods for analgesics.

(15 marks)

- 3. Write short notes on:
- 3A. Carcinogenicity studies
- 3B. Case control study
- 3C. Actophotometer
- 3D. Detection and estimation of histamine in invitro preparations
- 3E. Repeated measures of ANOVA
- 3F. Chromatography
- 3G. Three point assay
- 3H. Pentylenetetrazole
- 3I. Post hoc tests
- 3J. CPSCEA guidelines for physical facilities and environment for animal house



Reg. No.

MD (PHARMACOLOGY) DEGREE EXAMINATION – APRIL 2014 SUBJECT: PAPER IV: CLINICAL PHARMACOLOGY AND RECENT ADVANCES

Friday, April 04, 2014

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

Answer ALL the questions.

∠ Long Essays:

1. Discuss the role of myeloid growth factors in therapy.

(15 marks)

2. Explain various phases of clinical trials.

(15 marks)

- Write short notes on;
- 3A. Glucagon- like peptide- 1 (GLP-1) receptor agonists in therapy
- 3B. Drug therapy of pulmonary arterial hypertension
- 3C. Febuxostat
- 3D. Cost benefit analysis
- 3E. Pharmacovigilance program of India
- 3F. Good manufacturing practice guidelines
- 3G. Impact of irrational prescribing of drugs
- 3H. Teriparatide
- 31. Racecadotril
- 3J. Biological agents used in the treatment of rheumatoid arthritis

