



# MANIPAL UNIVERSITY

## MD (PHARMACOLOGY) DEGREE EXAMINATION – APRIL 2008

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

Wednesday, April 02, 2008

Time: 3 Hrs.

Max. Marks: 100

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

1. Essay questions:

- 1A. Discuss the clinical uses of beta 1 selective and recently introduced vasodilator beta – adrenergic receptor blockers.
- 1B. Discuss the drug management of commonly encountered clinical types of cardiac tachyarrhythmias.

(20×2 = 40 marks)

2. Write briefly on:

- 2A. Describe the clinical uses of atropine like drugs.
- 2B. Discuss the role of diuretics in the management of different clinical types of edema.
- 2C. Describe the role of angiotensin receptor blockers in therapeutics.
- 2D. Discuss the merits and demerits of inhalation steroids.
- 2E. Discuss why statins are more commonly preferred to other drugs for dyslipidemias.
- 2F. Anti–ischemic drugs in angina pectoris.

(10×6 = 60 marks)

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## MD (PHARMACOLOGY) DEGREE EXAMINATION – APRIL 2008

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

Thursday, April 03, 2008

Time: 3 Hrs.

Max. Marks: 100

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

1. Essay questions:

- 1A. Briefly describe the pathophysiology and discuss the therapeutics of neurodegenerative disorders.
- 1B. Describe the role of Growth Factors in haematopoiesis.

(20×2 = 40 marks)

2. Write briefly on:

- 2A. GABA modulators in epilepsy.
- 2B. NMDA receptor antagonists.
- 2C. Steroid sparing agents in rheumatoid arthritis.
- 2D. Cannabinoids.
- 2E. Selective serotonin receptor inhibitors.
- 2F. Therapeutic uses of prostaglandins.

(10×6 = 60 marks)

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## MD (PHARMACOLOGY) DEGREE EXAMINATION – APRIL 2008

### SUBJECT: PAPER IV: CHEMOTHERAPY, HORMONES, VACCINES, VITAMINS

Friday, April 04, 2008

Time: 3 Hrs.

Max. Marks: 100

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

1. Essay questions:

1A. Discuss macrolide antibiotics. Add a note on its current status.

1B. Discuss the therapeutically useful actions of glucocorticoids. Explain the long term toxicities of glucocorticoids and methods to minimize them.

(20×2 = 40 marks)

2. Write briefly on:

2A. Vitamin B<sub>12</sub>.

2B. Current status of thalidomide.

2C. III generation Cephalosporins.

2D. Guidelines to treat HIV patients.

2E. Selective estrogen receptor modulators.

2F. Nitazoxanide.

(10×6 = 60 marks)

