

Reg. No.

MANIPAL UNIVERSITY

M.Sc. MEDICAL (FINAL) PHARMACOLOGY DEGREE EXAMINATION – FEBRUARY 2013

PAPER I: GENERAL PHARMACOLOGY, CLINICAL PHARMACOLOGY,
EXPERIMENTAL PHARMACOLOGY, SCREENING, ANS

Tuesday, February 05, 2013

Time: 14:00 – 17:00 Hrs.

Maximum Marks: 100

✍ Answer ALL questions.

1. Explain various factors affecting drug action with suitable examples. (20 marks)
2. Classify anticholinesterases. Explain their role in therapy. (20 marks)
3. **Write briefly on:**
 - 3A. Informed consent
 - 3B. Confidence interval
 - 3C. Screening of a compound for antiepileptic activity
 - 3D. Selective α_1 blockers
 - 3E. Therapeutic drug monitoring
 - 3F. Radioimmunoassay(10 × 6 = 60 marks)



MANIPAL UNIVERSITY**M.Sc. MEDICAL (FINAL) PHARMACOLOGY DEGREE EXAMINATION – FEBRUARY 2013****PAPER II: SYSTEMIC PHARMACOLOGY, CNS, CVS, GIT, BLOOD, RENAL,
RESPIRATORY SYSTEMS AND AUTACOIDS**

Wednesday, February 06, 2013

Time: 14:00 – 17:00 Hrs.

Maximum Marks: 100

✍ Answer ALL questions.

1. Discuss drugs affecting blood coagulation.

(20 marks)

2. Classify drugs used in the treatment of bronchial asthma. Explain the mechanism of action and adverse effects of them.

(20 marks)

3. **Write briefly on:**

3A. Vasopressin analogs

3B. Atypical antipsychotics

3C. Drugs useful in chronic gout

3D. Bulk laxatives

3E. Sodium valproate

3F. Centrally acting sympatholytics

(10×6 = 60 marks)



MANIPAL UNIVERSITY**M.Sc. MEDICAL (FINAL) PHARMACOLOGY DEGREE EXAMINATION – FEBRUARY 2013
PAPER III: SYSTEMIC PHARMACOLOGY, CHEMOTHERAPY, IMMUNOTHERAPY,
ENDOCRINES AND MISCELLANEOUS TOPICS**

Thursday, February 07, 2013

Time: 14:00 – 17:00 Hrs.

Maximum Marks: 100

- ✍ Answer **ALL** questions.
- ✍ Write your answers that are brief, clear, relevant and legible.
- ✍ Illustrate your answers with neatly drawn and correctly labeled diagram wherever necessary.

1. Classify glucocorticoids with examples. Discuss four non-endocrinal uses and four common adverse effects of glucocorticoids.

(20 marks)

2. Enumerate dihydrofolate reductase inhibitors. Discuss the pharmacology of an antimalignant DHFRase inhibitor.

(20 marks)

3. Write briefly on:

- 3A. Incretins
- 3B. Hormonal oral contraceptives
- 3C. Bisphosphonates
- 3D. Uses and adverse effects of tetracyclines
- 3E. Immunostimulants
- 3F. Radical cure of malaria

(10×6 = 60 marks)

