

M.D. DEGREE EXAMINATION, MARCH 1990

Branch VI — Pharmacology

SYSTEMIC PHARMACOLOGY INCLUDING
RECENT ADVANCES

Time : Three hours

Answer ALL the questions.

1. Discuss the therapeutic status of various groups of drugs used in the treatment of peptic ulcer.
2. Give a comprehensive account of anti-metabolites used as cytotoxic drugs.
3. Discuss the therapeutic uses, toxic effects and precautions in the use of amiodarone.
4. Give an account of the use of vasodilators in the management of congestive cardiac failure.
5. Briefly describe the recent advances in prostaglandins.

6. Discuss in brief the recent advances in the management of depression.

7. Give a brief account of cephalosporins. Indicate the advantage of different generation of cephalosporins.

8. Give a brief account of drugs used in chloroquine-resistant malaria.

M.D. DEGREE EXAMINATION, OCTOBER 1990

Branch VI — Pharmacology

Paper II — SYSTEMIC PHARMACOLOGY INCLUDING
RECENT ADVANCES

Time : Three hours

Answer ALL the questions.

1. Give a critical account of drug therapy of viral infections.
2. Discuss the new trends in drug therapy of leprosy.
3. Discuss briefly :
 - (a) The pharmacological basis for the use of anti-thrombotic agents.
 - (b) The current status of drugs used in the treatment of schizophrenia.
 - (c) The recent advances in the treatment of glaucoma.
 - (d) Microbial resistance to anti-infectives.
 - (e) Newer insulins.
 - (f) The newer trends in the treatment of rheumatoid arthritis.

4. Discuss the current status of drugs used in the treatment of Schizophrenia.
 5. Discuss the recent advances in the treatment of glaucoma.
 6. Briefly discuss microbial resistance to anti-infectives.
 7. Give a brief account of newer insulins.
 8. Discuss newer trends in the treatment of rheumatoid arthritis.
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March-1991

268

M.D. DEGREE EXAMINATION, MARCH 1991.

Branch VI — Pharmacology

Paper II — SYSTEMATIC PHARMACOLOGY INCLUDING
RECENT ADVANCES

Time : Three hours.

Answer ALL the questions.

1. What are the recent advances in pharmacotherapy of 'AIDS' ?
 2. State the modern developments in pharmacotherapy of Hypertension.
 3. Write short notes on the recent concepts of treatment of :
 - (a) Migraine.
 - (b) Coronary thrombosis.
 - (c) Alzheimer's disease with special reference to THA (Tetra Hydro-amino Acridine).
 - (d) Schizophrenia.
 - (e) Carcinoma of breast.
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M.D. DEGREE EXAMINATION, SEPTEMBER 1991.

Branch VI — Pharmacology

Paper II — SYSTEMATIC PHARMACOLOGY INCLUDING
RECENT ADVANCES

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. What are the recent advances in Pharmacotherapy of Leprosy ? (25 marks)
 2. What are the modern trends in management of Hyperthyroidism ? (25 marks)
 3. Write short notes on :
 - (a) Bendrofluazide.
 - (b) Iatrogenic diseases induced by long term therapy with Proprionol.
 - (c) Therapy of Lead poisoning.
 - (d) "Calcium sensitisation of cardiac muscle".
 - (e) Prophylactic antibiotic umbrella in Caesarean section. (5×10=50 marks)
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September-1992

268

M. D. DEGREE EXAMINATION, SEPTEMBER 1992.

Branch VI - Pharmacology

Paper II

Systematic Pharmacology including
Recent advances

Time: Three Hours

Max. Marks: 100

Answer all Questions

1. What are the recent trends in the treatment of Peptic Ulceration?
(25)
2. What are the recent advances in the treatment of Diabetes Mellitus?
(25)
3. Write short notes on:
 - a. Therapy of Insecticide poisoning
 - b. Vigabatrin
 - c. 'K' channel affecting agents
 - d. Pinacidil
 - e. Ketamine
(10x5)

November-1993

[P R 3 6 8]

M.D. DEGREE EXAMINATION.

Branch VI — Pharmacology

(Old/New Regulations)

Paper II — SYSTEMATIC PHARMACOLOGY INCLUDING
RECENT ADVANCES

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Describe various receptors of 5-Hydroxy Tryptamine and their role in therapy. (25)
 2. What are the recent advances in the treatment of Bronchial Asthma ? (25)
 3. Write briefly on :
 - (a) Chemoprophylaxis.
 - (b) Lisinopril.
 - (c) Cisplatinum.
 - (d) Humalin.
 - (e) Tocolytic agents. (5 × 10 = 50)
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April-1995

[SB 168]

M.D. DEGREE EXAMINATION

Branch VI — Pharmacology

(Old/New Regulations)

Paper II — SYSTEMATIC PHARMACOLOGY
INCLUDING RECENT ADVANCES

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Describe the important Dopaminergic pathways in the central nervous system. Give a brief account of the pharmacology and uses of drugs acting on the dopaminergic system. (25)
 2. Give a detailed account of the newer Cephalosporins. Add a note on their role in the present-day management of infections. (25)
 3. Write briefly on :
 - (a) Cyclosporin
 - (b) Potassium channel openers
 - (c) Misoprostol
 - (d) Folate antagonists as therapeutic agents
 - (e) Carbamazepine — newer indications. (5×10=50)
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April-1997

MP 129

M.D. DEGREE EXAMINATION
Branch VI - Pharmacology
(New/Revised Regulations)

Paper II - SYSTEMATIC PHARMACOLOGY INCLUDING
RECENT ADVANCES

Time: Three hours

Max. marks:100

Answer All Questions

1. Give an account of the drugs that act at the gastric acid pump. (25)
2. Explain the rationale of drugs used in congestive cardiac failure based on the pathophysiology. (25)
3. Write briefly on:
 - (a) Insulin resistance
 - (b) Lead and neurotransmitters
 - (c) Calcitriol
 - (d) Parathion poisoning
 - (e) Third generation cephalosporins.

(5x10=50)

October-1997

MS 126

M.D. DEGREE EXAMINATION
Branch VI - Pharmacology
(New/Revised Regulations)

Paper II - SYSTEMATIC PHARMACOLOGY INCLUDING
RECENT ADVANCES

Time: Three hours

Max.marks:100

Answer All Questions

1. Explain the recent advances in the pharmacotherapy of antiemetics. (25)
2. Write in detail the recent concepts in adrenergic transmission. Give details of drugs that act as antihypertensives at the sympathetic system. (25)
3. Write briefly on:
 - (a) Immuno-suppressants
 - (b) Surface anaesthetics
 - (c) Fluroquinolones
 - (d) Palliative pain therapy
 - (e) Oxygen free radicals and drugs.

(5x10=50)

April-1998

SV 129

M.D. DEGREE EXAMINATION
Branch VI - Pharmacology
(New/Revised Regulations)

Paper II - SYSTEMATIC PHARMACOLOGY INCLUDING
RECENT ADVANCES

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the present status of diuretics in therapy. (25)
2. Describe the recent developments in the chemotherapy of malignancies with a note on the special contribution of cytarabine in the chemotherapy of cancer. (25)
3. Write briefly on:
 - (a) Role of vasodilators in congestive cardiac failure
 - (b) Calcium blockers in therapy of angina
 - (c) Maltrexone
 - (d) Tacrine
 - (e) Drugs in glaucoma.

(5x10=50)

October-1998

[SM 129]

M.D. DEGREE EXAMINATION.

Branch VI — Pharmacology

(New/Revised Regulations)

Paper II — SYSTEMATIC PHARMACOLOGY INCLUDING
RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the current concepts in management of "Bronchial asthma". (25)
 2. Briefly describe the mechanism of action of commonly used anti epileptic agents. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Atropine
 - (b) Ketotifen
 - (c) Vasopressin
 - (d) Fluconazole
 - (e) Zidovudine.
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April-1999

[SG 129]

Sub. Code : 2026

M.D. DEGREE EXAMINATION

Branch VI – Pharmacology

(New/Revised Regulations)

Paper II — SYSTEMATIC PHARMACOLOGY
INCLUDING RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the present status of B-blockers in the management of hypertension. (25)
 2. Describe the recent developments in the management of bronchial asthma with a note on the special contribution of leukotriene pathway inhibitors in the pharmacotherapy of bronchial asthma. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Pharmacogenetics
 - (b) Serotonin reuptake inhibitors in depression
 - (c) Development of anti inflammatory drugs
 - (d) Pharmacovigilance
 - (e) Angiotensin-II receptor antagonists.
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October-1999

[KA 129]

Sub. Code : 2026

M.D. DEGREE EXAMINATION.

(New/Revised Regulations)

Branch VI — Pharmacology

Theory Paper II — SYSTEMATIC PHARMACOLOGY
INCLUDING RECENT ADVANCES

Time : Three hours ,

Maximum : 100 marks

All questions to be attempted.

1. Discuss the recent advances in the chemotherapy of viral infections. (25)
 2. Briefly describe the mechanism of action of commonly used anti-arrhythmic agents. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Adrenaline
 - (b) Cromolyn Sodium (disodium cromoglycate)
 - (c) Loop diuretics
 - (d) Ketoconazole
 - (e) Foscarnet.
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April-2000

[KB 129]

Sub. Code : 2026

M.D. DEGREE EXAMINATION,

(Old/New/Revised Regulations)

Branch VI — Pharmacology

Paper II — SYSTEMATIC PHARMACOLOGY
INCLUDING RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the recent advances in the Pharmacotherapy of congestive cardiac failure. Add a note on their mechanism of action and current status in therapy. (25)
 2. Discuss in detail the scope of hormone replacement therapy in menopausal women. Debate the controversies regarding this issue. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Concept of essential drugs
 - (b) Principles of antimicrobial prophylaxis in surgery
 - (c) Newer antiplatelet drugs
 - (d) 5-Alpha reductase inhibitors
 - (e) Pharmacotherapy of erectile dysfunction.
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October-2000

[KC 129]

Sub. Code : 2026

M.D. DEGREE EXAMINATION.

Branch VI — Pharmacology

(New/Old/Revised Regulations)

Paper II — SYSTEMIC PHARMACOLOGY
INCLUDING RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the normal Electrophysiological properties of the myocardium. Discuss the pharmacology and therapeutics of drugs used in the management of cardiac arrhythmias. (25)
 2. Discuss the pharmacological and therapeutic aspects of drugs used in the management of SYSTEMIC FUNGAL INFECTIONS. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Newer Macrolide antibiotics
 - (b) Drugs and Gastrointestinal motility
 - (c) Bromocriptine
 - (d) Recent advances in uses of Aspir
 - (e) Folate inhibitors in therapy.
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