

April-1987

MP 131

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

Paper IV - APPLIED PHARMACOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Illustrate with examples how genetic defects of enzymes can affect drug usage. (25)
2. Write in detail about the receptors at the neuromuscular junction and mechanism of skeletal muscle relaxants in clinical use. (25)
3. Write briefly on:
 - (a) Manic depressive psychosis
 - (b) H.P.L.C.
 - (c) Hypercalcaemia
 - (d) Student t test
 - (e) Febrile convulsions in children.

(5x10=50)

October-1997

MS 130

M.D. DEGREE EXAMINATION

Branch VI - Pharmacology

(Revised Regulations)

Paper IV - APPLIED PHARMACOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Explain how drugs affect the signalling mechanisms of cardiac failure and hypertrophy (25)
2. Write a short account of the physiology of the thyroid gland. Explain how antithyroid drugs are useful in therapy. (25)
3. Write briefly on:
 - (a) Plasma activating factor
 - (b) Antibiotic resistance
 - (c) Calcium in cell injury
 - (d) Student 't' test
 - (e) Hypolipidaemic agents

(5x10=50)

April-1998

SV 133

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

Paper IV - APPLIED PHARMACOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the applied pharmacology of thyroid. Add a note on the non-thyroid uses of thyroxine. (25)
2. Discuss the pharmacology of thrombolytic agents. (25)
3. Write briefly on:
 - (a) Obidoxime
 - (b) Hypomagnesaemia
 - (c) Drugs for pneumocystis carinii infection
 - (d) Tolmetin
 - (e) Streptokinase.

(5x10=50)

October-1998

[SM 133]

M.D. DEGREE EXAMINATION.

Branch VI — Pharmacology

(Revised Regulations)

Paper IV — APPLIED PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss critically about the use of drugs in Geriatrics. (25)
 2. Discuss the developments made in the production of Vaccines. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Endorphins.
 - (b) Propionic acid derivatives.
 - (c) Transfusion medicine.
 - (d) Human insulins.
 - (e) Clemastine fumarate.
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April-1999

ISG 133]

Sub. Code : 2028

M.D. DEGREE EXAMINATION.

Branch VI — Pharmacology

(Revised Regulations)

Paper IV — APPLIED PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the pathophysiology of migraine and elucidate how drugs are used in its management. (25)
2. Describe the basic principles of treatment of Acquired Immune Deficiency Syndrome, (AIDS). Add a note on the choice of drugs in AIDS. (25)
3. Write briefly on :
 - (a) Newer antimalarials
 - (b) Insulin analogues
 - (c) Macrolide antibiotics
 - (d) Drugs in fungal infections
 - (e) Paclitaxel. (5 × 10 = 50)

October-1999

[KA 133]

Sub. Code : 2028

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VI — Pharmacology

Theory Paper IV — APPLIED PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the applied pharmacology of "Parkinsonism". (25)
 2. Describe in brief the current status of different drugs used in management of "glaucoma". (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Pharmacokinetic drug interactions
 - (b) Blood brain barrier
 - (c) Insecticide poisoning
 - (d) Immunostimulants
 - (e) Combined pill.
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April-2000

[KB 133]

Sub. Code : 2030

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VI — Pharmacology

Paper IV — APPLIED PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. List the targets of immunosuppression by drugs. Enumerate immunosuppressive drugs. Outline their mechanism of action. List the indications for immunosuppressive therapy. (25)
 2. Classify Cephalosporins. Discuss the merits and demerits of third generation Cephalosporins as compared to fluoroquinolones. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Low molecular weight heparin - its advantages over conventional heparin
 - (b) Difference in pharmacokinetics of Erythromycin and Azithromycin
 - (c) Ticlopidine - uses, mechanism of action and side effects
 - (d) Drug therapy of cancer chemotherapy induced vomiting.
 - (e) Disadvantages of fixed dose combination formulations.
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October-2000

[KC 133]

Sub. Code : 2030

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VI — Pharmacology

Paper IV — APPLIED PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the pharmacological and therapeutic aspects of drugs used in CONGESTIVE CARDIAC FAILURE. (25)
 2. Explain the mechanisms of action of drugs used in treatment of VIRAL INFECTIONS. Describe the antimicrobial spectrum, uses and adverse effects of these drugs. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Sumatriptan
 - (b) Proton pump inhibitors
 - (c) Ivermectin
 - (d) Drug treatment of Glaucoma
 - (e) Antioxidants — their therapeutic potential.
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