

December 1990

1006]

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

Paper I - PHARMACOLOGY

Time : Three hours

Maximum : 90 marks

Answer ALL the questions

Sections A and B should be answered
in separate answer books

Section C must be answered separately on the answer sheet
placed inside the question paper booklet as per the
instructions given on the first page.

SECTION A

1. Classify the drugs used in peptic ulcer. Explain the mechanism of action of each one of them indicating their therapeutic utility. (15 marks)
2. Discuss the different mechanisms involved in the action of various antihypertensive agents giving suitable examples. (15 marks)

SECTION B

3. Write short notes on: (6 x 5 = 30)
 - (a) Cyclophosphamide
 - (b) Penicillamine
 - (c) Ketamine
 - (d) Timolol
 - (e) Carbimazole
 - (f) Cephalosporins

DECEMBER 1991.

[006]

SECOND M.B.B.S. DEGREE EXAMINATION,
DECEMBER 1991.

Part I

Paper I — PHARMACOLOGY

Time : Three hours.

Maximum : 90 marks.

Answer ALL questions.

Answer Section A and B in separate Answer Books.

SECTION A

What is a cardiotonic agent ? Describe the mechanism of action and therapeutic uses of Digoxin. (15)

Classify purgatives. Explain the mechanism of action of each one of them giving their therapeutic uses. (15)

SECTION B

Write short notes on :

- (a) Rifampicin.
- (b) Methotrexate.
- (c) Nitrous oxide.
- (d) Oral contraceptives.
- (e) Niclosamide.
- (f) Metyrapone.

(6 × 5 = 30)

APRIL 1992

1006]

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

Paper I - PHARMACOLOGY

Time : Three hours

Maximum : 90 marks

**Sections A and B should be answered
in separate answer books**

Answer ALL the questions

SECTION A

- 1. Classify analgesics. Describe briefly the mechanism of action and therapeutic uses of salicylates. (15 marks)**
- 2. Classify antiparkinsonian drugs. Explain their mechanism of action indicating their clinical use. (15 marks)**

SECTION B

- 3. Write short notes on: (6 x 5 = 30)**
 - (a) Scoline**
 - (b) Ether**
 - (c) Spectinomycin**
 - (d) Ranitidine**
 - (e) Iodine**
 - (f) Oxylocin**

January 1993

1006]

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

Paper I - PHARMACOLOGY

Time : Three hours

Maximum : 90 marks

SECTION A

1. Classify drugs used in Malaria and briefly outline the mechanism of action, clinical use and toxicity of chloroquine. (15)
2. Mention the drugs used in Diabetes mellitus. Briefly describe the mechanisms of actions and adverse effects of oral Hypoglycemic agents. (15)

SECTION B

3. Write short notes on: (6 x 5 = 30)
 - (a) First Pass Metabolism
 - (b) Histamine (H_2) blockers
 - (c) Heparin Vs. Warfarin
 - (d) Potassium sparing diuretics
 - (e) Flumazenil
 - (f) Therapeutic uses of β -adrenergic blockers

SECOND M.B., B.S. DEGREE EXAMINATION.

Part I

Paper I — PHARMACOLOGY

Time : Three hours.

Maximum : 90 marks.

- (1) Separate answer books must be used for Sections A and B.
- (2) Section C must be answered separately on the answer sheet placed inside the question paper booklet as per the instruction on the first page.
- (3) Answer ALL the questions.

SECTION A — (2 × 15 = 30 marks)

1. Classify anti-hypertensives. Discuss the mechanism of action, therapeutic uses and adverse effects with the use of propranolol.
2. Discuss in detail the chemotherapy of amoebiasis.

SECTION B — (6 × 5 = 30 marks)

3. Write short notes on :
 - (a) Biotransformation.
 - (b) Succinyl choline.
 - (c) Pentazocine.
 - (d) Co-trimoxazole.
 - (e) Amphotericin B.
 - (f) Oral iron therapy.
-

[ND 511]

November 1994

Second M.B.B.S. Degree Examination

Part - I

Paper I - PHARMACOLOGY

Time : Three hours

Maximum : 90 marks

- 1) Separate answer books must be used for Section A and B.
- 2) Section C must be answered separately on the answer sheet placed inside the question paper booklet as per the instructions on the first page.
- 3) Answer ALL the questions.

SECTION A (2×15=30)

1. Enumerate the drugs used in leprosy, describe the dosage schedule and adverse effects of the drugs used in multibacillary and paucy bacillary leprosy. Discuss the treatment of the lepra reaction occurring during the course of leprosy.
2. Classify nonsteroidal anti inflammatory drugs. Describe the pharmacological actions, therapeutic uses and adverse effects of aspirin. Mention the newer clinical uses of aspirin.

SECTION B

(6×5=30)

3. Write short notes on :

- a) Newer drug delivery systems.
- b) Calcium channel blockers.
- c) Metronidazole
- d) 4 - Quinolones
- e) Cyclosporine in organ transplantation
- f) d - Pencillamine

Second M.B.B.S. Degree Examination

Part I

(New Regulations)

Paper I - PHARMACOLOGY

Time : Three hours Maximum : 100 marks

Two and a half an hour

for Sec. A and B Sec. A and B : 70 marks

1. Separate answer books must be used for Section A and B.
2. Section C must be answered separately on the answer sheet provided.
3. Answer All the questions.
4. Draw diagrams wherever necessary.

SECTION—A (2X15 = 30)

1. Classify anticoagulants. Discuss in detail the pharmacology of heparin. How is heparin over dosage treated ?
2. Classify non-narcotic analgesics. Discuss the pharmacological actions, indication and adverse effects of salicylates.

SECTION—B

3. Write short notes on :

- a) Agranulocytosis
- b) Cisplatin
- c) Potassium sparing diuretics
- d) Beta stimulants
- e) Mannitol
- f) Synthetic cortico steroids
- g) Biological half life.
- h) Post marketing surveillance during new drug developments.

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

Paper I - PHARMACOLOGY

(New Regulations)

Time : Three hours

Maximum : 100 marks

Two and a half hours
for Section A and B

Section A and B : 70 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the
answer sheet provided

Answer ALL the questions

Draw diagrams wherever necessary

SECTION A (2 x 15 = 30)

1. Discuss the drug treatment of Hypertension. Mention the pharmacological actions, indications and side effects of any three groups of antihypertensive agents.
2. Classify the various anti convulsant drugs. Describe the mechanism, of action, pharmacological actions, adverse effects and therapeutic uses of phenytoin.

SECTION B (8 x 5 = 40)

3. Write short notes on:

- (a) Irreversible choline-esterase inhibitors
- (b) Loop diuretics
- (c) Treatment of Barbiturate poisoning
- (d) How do you prolong the action of drugs
- (e) Compare and contrast Ergometrin & Oxtocin
- (f) Vinka Alkaloids
- (g) Prokinetic agent
- (h) Intensive short term therapy of Tuberculosis

October 1996

[PK 519]

Subject Code : 4021

(519)

SECOND M.B., B.S. DEGREE EXAMINATION.

Part I

(Common to Old/New Regulations)

Paper I — PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Two and a half an hours

Section A and B : 70 marks

Section A and B

Separate answer books must be used for Section A and B.

Section C must be answered separately on the
answer sheet provided.

Answer ALL the questions.

Draw diagrams wherever necessary.

SECTION A — (35 marks)

What are Catecholamines? Classify the sympathomimetic agents depending on therapeutic use. Discuss briefly the uses, side effects and dose of Dopamine. (15)

Write short notes on : (4 × 5 = 20)

- (a) Multidrug therapy for Mycobacterial infections.
- (b) Quinolone antibiotics.
- (c) Therapeutic (drug) Index.
- (d) H₂ receptor blockers.

SECTION B — (35 marks)

Enumerate the various groups of drugs used in Diabetes Mellitus with suitable examples. Describe the mechanism of action, uses and adverse effects of chlorpropamide. (15)

Write short notes on : (4 × 5 = 20)

- (a) Vit. D.
- (b) Ranitidine.
- (c) Drugs for Glaucoma.
- (d) Metronidazole.

April 1997

[MP 519]

Sub. Code : 4021

SECOND M.B.B.S DEGREE EXAMINATION.

Part I

Paper I — PHARMACOLOGY

(New Regulations)

Time : Three hours

Maximum : 100 marks

Two and a half hours

Section A & B : 70 marks

for Section A and B

Separate answer books must be used for Section A and B.

Section C must be answered separately on the answer sheet provided.

Answer ALL the questions.

Draw diagrams wherever necessary.

SECTION A — (35 marks)

1. Classify the drugs used in Malaria. Outline the mechanism of action, clinical uses and toxicities of chloroquine. Discuss the drug therapy of malarial fever due to *Plasmodium vivax* in an endemic area. (15)

2. Write short notes on : (4 × 5 = 20)

- (a) Tolerance
- (b) Metaclopramide
- (c) Insulin preparations
- (d) Non sedative anti histamines

519]

SECTION B — (35 marks)

Classify Analgesics. Discuss in detail the pharmacological actions, therapeutic uses and adverse effects of any three non-steroidal anti inflammatory agents. (15)

Write short notes on : (4 × 5 = 20)

- (a) Vitamin K
- (b) Anticancer antibiotics
- (c) Phenytoin
- (d) Zidovudine in AIDS treatment.

October 1997

MS 519]

Sub. Code : 4021

SECOND M.B.B.S. DEGREE EXAMINATION

Common to all Regulations

Part I

Paper I - PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Two and a half hours
for Section A and B

Section A and B : 70 marks
Section C : 30 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet
provided as per the instructions given on the first page.

Answer ALL the questions

SECTION A

1. Enumerate the various groups of drugs used for hypertension. Discuss briefly the pharmacological actions and side effects of three groups of antihypertensives. (15)

2. Write briefly on: (4 x 5 = 20)

- (a) Levodopa
- (b) Salbutamol
- (c) Omeprazole
- (d) Sublingual administration of drugs

SECTION B

3. Discuss the chemotherapy of tuberculosis and indicate the common regimes used. Mention the therapeutic aspects and adverse effects of three primary drugs used in the therapy of tuberculosis. (15)

4. Write briefly on: (4 x 5 = 20)

- (a) Furosemide
- (b) Clomiphene citrate
- (c) Oral hypoglycaemic agents
- (d) Mebendazole

April 1998

SV 519]

Sub. Code : 4021

SECOND M.B.B.S. DEGREE EXAMINATION

Common to all Regulations

Part I

Paper I - PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Two and a half hours
for Section A and B

Section A and B : 70 marks

Section C : 30 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet
provided as per the instructions given on the first page.

Answer ALL the questions

SECTION A

1. Discuss the multidrugtherapy of Leprosy. Mention the therapeutic aspects and adverse effects of three drugs used into prosy. (15)

2. Write briefly on: (4 x 5 = 20)

- (a) Prostaglandins for midterm abortion.
- (b) Role of glucocorticoids in bronchial asthma
- (c) Metranidazole in amoebiasis
- (d) Lugol's Iodine

SECTION B

3. Classify the drugs used in the treatment of Epilepsy. Describe the mechanism of action and side effects of three main groups of antiepileptic drugs. (15)

4. Write briefly on: (4 x 5 = 20)

- (a) Therapeutic uses of Amoxycillin
- (b) Vinka alkaloids
- (c) Heparin
- (d) Desferrioxamine (Desferal)

October 1998

[SM 519]

Sub. Code : 4021

SECOND M.B.B.S. DEGREE EXAMINATION.

Common to all Regulations

Part I

Paper I — PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Two and a half hours

Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B

Section C : 30 marks

Separate answer books must be used for Sections A and B.

Section C must be answered separately on the answer sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A

1. Enumerate anticholinergic drugs. Mention four uses and four adverse effects of any one of them. Outline the treatment of organo-phosphorus compound poisoning.
(4 + 4 + 7 = 15)

2. Write briefly on : (4 × 5 = 20)
- (a) Presystemic elimination (First Pass metabolism)
 - (b) Atenolol.
 - (c) Mannitol.
 - (d) Rifampicin.

SECTION B

3. Classify penicillins. Write the spectrum, uses and adverse effects of Benzyl Penicillin G. (5 + 10 = 15)

4. Write briefly on :

(4 × 5 = 20)

- (a) Methotrexate.
- (b) Newer insulins.
- (c) Streptokinase.
- (d) Diazepam.

April 1999

[SG 519]

Sub. Code : 4021

SECOND M.B.B.S. DEGREE EXAMINATION.

(Common to all Regulations)

Part I

Paper I — PHARMACOLOGY

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B Section C : 30 marks

Separate answer books must be used for
Sections A and B.

Section C must be answered separately on the answer
sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A — (35 marks)

1. Classify Non-Steroidal Anti-inflammatory Drugs.
(N.S.A.I.Ds) Describe in brief, the pharmacological
actions, therapeutic uses and adverse effects of Acetyl
salicylic acid. (15)

2. Write briefly on : (4 × 5 = 20)

- (a) Enalapril
- (b) Sucral fate
- (c) Succinyl choline
- (d) Biotransformation.

SECTION B — (35 marks)

3. Classify antipsychotic drugs. Discuss the
mechanism, pharmacological actions, preparations with
the doses, adverse effects, therapeutic uses and
interactions with other drugs of chlorpromazine. (15)

4. Write briefly on : (4 × 5 = 20)

- (a) Anabolic steroids
- (b) Non sedative H₁-Receptor blockers
- (c) Fibrinolytics
- (d) Third generation cephalosporins.

[KC 519]

Sub. Code : 4021

SECOND M.B.B.S. DEGREE EXAMINATION.

(Common to all Regulations)

Part I

Paper I — PHARMACOLOGY

Time : Three hours

Maximum : 100 marks

Two and a half hours

Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B

Section C : 30 marks

Separate answer books must be used
for Sections A and B.

Section C must be answered separately on the answer
sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A — (35 marks)

1. Enumerate the different members of natural and
synthetic Muscarinic receptor blocking drugs.

Explain the actions of one drug in this group on
the eye and smooth muscles with two clinical
indications. Mention the important systemic adverse
effects of one of them. (5 + 10 = 15)

2. Write briefly on : (4 × 5 = 20)

- (a) Verapamil
- (b) Chlorpromazine
- (c) Lovostatin
- (d) Transdermal application of drugs.

SECTION B — (35 marks)

3. Classify antithyroid drugs.

Mention the mechanism of action of thioamides.

Mention the steps in the treatment of thyroid
crisis explaining the reason for the use of each drug.

(3 + 12 = 15)

4. Write briefly on : (4 × 5 = 20)

- (a) Dopamine
- (b) Vincristine
- (c) Albendazole
- (d) Ceftriaxone.