

April 2001

[KD 519]

Sub. Code : 4021

SECTION B — (35 marks)

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 & 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 antiepileptic drugs. Discuss the
mechanism, pharmacological actions, adverse effects,
therapeutic uses of phenytoin sodium. (15)

2. Write briefly on : (4 × 5 = 20)

- (a) Carboplatin
- (b) Ivermectin
- (c) Griseofulvin
- (d) Domperidone.

3. Enumerate the various routes of administrations.
Discuss briefly about each route with suitable examples.
Mention the main advantages and disadvantages of
each route. (15)

4. Write briefly on : (4 × 5 = 20)

- (a) Allopurinol
- (b) Oral contraceptives
- (c) Pharmacogenetics
- (d) Drug induced diseases.

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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

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 drugs used in congestive cardiac failure. Describe the mechanism of action, pharmacological actions, adverse reactions and uses of any three group of drugs. (15)

2. Write briefly on : (4 × 5 = 20)

- (a) Neuroleptanalgesia
- (b) Teratogenicity
- (c) Dextromethorphan
- (d) Urokinase.

SECTION B — (35 marks)

3. Classify beta-lactum antibiotics. Describe the mechanism of action, antibacterial spectrum, adverse effects and indications of three different drugs. (15)

4. Write briefly on : (4 × 5 = 20)

- (a) Lansoprazole
- (b) Azidothymidine
- (c) Gliclazide
- (d) Cyclosporine.

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SECTION B

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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 & Sec. B. Section C : 30 marks

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. Classify β -adrenergic receptor blocking drugs. Discuss the mechanism of action, pharmacological action, adverse effects and therapeutic uses of propranolol. State how metoprolol is superior to this drug. (15)

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

- (a) Biological half life of a drug.
- (b) Non-sedative anti-histaminic drug.
- (c) Calcium channel blockers.
- (d) Loop diuretics.

3. Classify the drug used in the treatment of malaria. Describe the pharmacological actions, adverse effects and therapeutic uses of the cinchona alkaloids and the 4-Amino Quinolines. (15)

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

- (a) Oxytocin.
- (b) Co-Trimoxazole.
- (c) Adverse effects of Insulin.
- (d) Vitamin-A.

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

(Common to all Regulations)

Part I

Paper I — PHARMACOLOGY

Time : Three hours **Maximum : 100 marks**

Theory : Two hours and forty minutes	Theory : 80 marks
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M.C.Q. : Twenty minutes **M.C.Q. : 20 marks**

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay : (2 × 15 = 30)

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

(2) Classify antiviral drugs. Discuss the mechanism, pharmacological actions, adverse effects and therapeutic uses of drugs mainly used in AIDS. (15)

II. Write briefly on : (10 × 5 = 50)

- (a) Ketanserin
- (b) Human insulins
- (c) Nifedipine
- (d) Ciprofloxacin
- (e) L-Dopa + Carbidopa combination - Explain the rationale.
- (f) Advantages of A.C.E. inhibitors as antihypertensives
- (g) Mifepristone
- (h) Pentazocine
- (i) Pentoxifylline
- (j) Management of methanol poisoning.

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

(Common to all Regulations)

Part I

Paper I — PHARMACOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay : (2 × 15 = 30)

(1) Describe in brief stages of general anaesthesia, classify general anaesthetics. Mention the merits and demerits of ether, halothane and pentathol sodium as general anaesthetics. (15)

(2) Classify glucocorticoids, describe briefly their pharmacological actions and therapeutic uses. Add a note on precautions to be exercised during long term therapy with glucocorticoids. (15)

II. Write briefly on : (10 × 5 = 50)

- (a) Propranolol
- (b) Beclomethasone
- (c) Domperidone
- (d) Prodrug
- (e) Metronidazole
- (f) Ciprofloxacin
- (g) Prostaglandins used therapeutically
- (h) d-penicillamine
- (i) Enalapril
- (j) Silver sulphadiazine.