

OCTOBER - 1990

008 A

SECOND B.D.S. DEGREE EXAMINATION, OCTOBER 1990.

Paper III — GENERAL AND DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time : Three hours.

Maximum : 100 marks.

Answer ALL the questions.

1. Classify sympathomimetics. Discuss the pharmacological actions, adverse effects and uses of adrenaline. (13 marks)

2. (a) Enumerate the aminoglycoside antibiotics. Write the pharmacology, adverse effects and uses of gentamycin.

Or

(b) Explain the mechanism of action, pharmacology, untoward effects and therapeutic uses of the cephalosporins. (13 marks)

3. Write short notes on any four :

(a) Ascorbic acid.

(b) Fluoride.

(c) Treatment of oral candidiasis.

(d) Ibuprofen.

(e) Phenytoin toxicity. (24 marks)

4. Classify adrenocortical steroids. Discuss the adverse effects and uses of glucocorticoids. What are the contra-indications and precautions to be taken during chronic therapy. (13 marks)

5. (a) Discuss the factors modifying drug action.

Or

(b) Discuss the causes of adverse drug reactions. (13 marks)

6. Write short notes on any four :

(a) Haemostatics.

(b) Lignocaine.

(c) Phenaramine maleate.

(d) Untoward effects of tetracyclines.

(e) Diazepam. (24 marks)

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SECOND B. D. S. DEGREE EXAMINATION, APRIL 1991

GENERAL AND DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time: Three hours.

Maximum: 100 marks

Answer Section A and B in separate answer books.

SECTION A

1. Classify antihistamines. Discuss their pharmacological actions, adverse effects and therapeutic uses. (13 marks)

2. (a) Classify penicillins. Write the mechanism of action, draw backs and different preparations of benzyl penicillin. (13 marks)

Or

(b) Discuss the mechanism of action, untoward reactions and therapeutic uses of cotrimoxazole. (13 marks)

3. Write short notes on any four (24 marks)

(a) Intravenous route of administration.

(b) Hydrogen peroxide.

(c) Drug tolerance.

(d) Pre-anaesthetic medication.

(e) Propranolol.

SECTION B

4. How are drugs absorbed from the gut? What are the factors that affect the absorption of drugs given orally? (13 marks)

5. (a) Classify non-steroidal anti-inflammatory drugs. Discuss the pharmacological actions of acetylsalicylic acid. (13 marks)

Or

(b) Classify narcotic analgesics. Discuss the pharmacological actions, adverse effects and uses of pethidine. (13 marks)

6. Write short notes on any four (24 marks)

(a) The newer insulins.

(b) Treatment of neurogenic shock.

(c) Metronidazole.

(d) Nystatin.

(e) Warfarin sodium.

APRIL - 1993

[RS 509]

SECOND B.D.S. DEGREE EXAMINATION,

(Old Regulations)

Paper III – GENERAL DENTAL PHARMACOLOGY AND
THERAPEUTICS

Time : Three hours

Maximum : 100 marks

Answer ALL the questions.

1. Classify narcotic analgesics. Discuss the pharmacological actions, adverse effects and therapeutic uses of Morphine. (15)
2. (a) Classify sympathomimetic drugs. Discuss the pharmacological actions, adverse effects and therapeutic uses of adrenaline.

Or

(b) Classify Antihypertensive drugs. Write the pharmacological actions, uses and adverse effects of clonidine. (15)

3. Write short notes on any FOUR of the following :
(4 × 5 = 20)

- (a) Diazepam.
- (b) Vitamin D.
- (c) B.A.L.
- (d) Potassium permanganate.
- (e) Doxycycline.

4. Classify Penicillins. Discuss the antimicrobial spectrum, adverse effects and therapeutic uses of Benzylpenicillin. (15)

5. (a) Enumerate the glucocorticoids used in therapy. Discuss their adverse effects and therapeutic uses.

Or

(b) Discuss the various methods to prolong the duration of action of a drug in the body giving suitable examples. (15)

6. Write short notes on any FOUR of the following :
(4 × 5 = 20)

- (a) Disclosing agents.
 - (b) Furazolidine.
 - (c) Chloramphenicol.
 - (d) Glybenclamide.
 - (e) Ranitidine.
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APRIL - 1993

[RS 512]

SECOND B.D.S. DEGREE EXAMINATION.

(New Regulations)

DENTAL PHARMACOLOGY AND THERAPEUTICS

Time : Three hours Maximum : 90 marks

Two and a half hours
for Sections A and B Sections A and B : 60 marks.

Answer ALL questions.

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. What are broad spectrum antibiotics? Describe the pharmacological actions, side effects and therapeutic uses of tetracyclines.
2. Discuss the pharmacology of drugs used in the treatment of epilepsies. Write briefly on the side effects of phenytoin sodium.

SECTION B — (6 × 5 = 30 marks)

3. Write briefly on the following :
 - (a) Therapeutic uses of metronidazole.
 - (b) Drugs used as pre anaesthetic medication.

(c) Drugs used in the treatment of acid peptic disease.

(d) Drugs used in treatment of congestive cardiac failure.

(e) Side effects of anti-tuberculous drugs.

(f) Uses of beta adrenergic blockers.

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[SB 535]

Second B.D.S. Degree Examination

(Old Regulations)

**Paper II - GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS**

Time : Three hours

Maximum : 100 marks

Answer All the questions.

1. a) Classify Anti cholinergic drugs.
b) Write the pharmacological actions and therapeutic uses of Atropine and its substitutes (10)

2. [A] a) Classify Analgesics (5)
b) Compare and contrast Morphine and Ibuprofen. (10)

OR

- [B] a) Classify sedative hypnotics (5)
b) Compare and contrast Phenobarbitone and Diazepam (10)

3. Write short notes on any FOUR of the following :
(4×5 = 20)

- a) Cloxacillin
- b) Methotrexate
- c) Trimethoprim
- d) Acyclovir
- e) Prazocin

4. a) Classify drugs used in diabetes mellitus (5)
b) Describe the pharmacological actions adverse effects of oral anti-diabetic agents (10)
5. [A] a) Classify skeletal Muscle relaxants (5)
b) Compare and contrast d-tubocurarine and succinyl choline (10)

OR

- [B] a) Classify drugs used in bronchial Asthma (5)
b) Describe briefly the actions, and adverse effects of any two of them (10)

6. Write short notes on any FOUR of the following :
(4×5 = 20)

- i) Disclosing solution
- ii) Vitamin D
- iii) Chloramphenicol
- iv) Antitussives
- v) Alkylating agents

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[SB 538]

SECTION - B

(6X5=30)

Second B.D.S. Degree Examination
(New Regulations)

**Paper III - GENERAL DENTAL PHARMACOLOGY AND
THERAPEUTICS**

Time : Three hours Maximum : 90 marks
Two and a half hours Sec. A & B : 60 marks
for Section A and B
Section C : 30 marks

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION - A (2X15=30)

1. Discuss the Therapeutic uses of various sympathomimetic agents.
2. Describe the antimicrobial spectrum, mechanism of action, therapeutic uses and adverse effects of Ampicillin.

3. Write briefly on the following :

- a) Enzyme inhibition
- b) Vitamin K
- c) Aminophylline
- d) Bleaching agents
- e) Liquid paraffin
- f) Tinidazole

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[SB 541]

Second B.D.S. Degree Examination

(Revised Regulations)

**Paper III - GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS**

Time : Three hours Maximum : 100 marks

Sections A and B : 70 marks

Section C : 20 minutes Section C : 30 marks

Answer Sections A and B in separate answer books

Answer Section C in the answer sheet provided

SECTION—A

1. Describe briefly the following

- a) Factors affecting drug absorption (5)
- b) Receptor mediated drug action (5)
- c) Idiosyncrasy (5)

2. Compare and contrast

- a) Halothane and Nitrous Oxide (5)
- b) Nystatin and ketoconazole (5)
- c) Propylthiouracil and radio active iodine (5)

SECTION—B

3. Write short notes on any EIGHT of the following (8×5=40)

- a) Metoclopramide
 - b) Treatment of anaphylactic shock
 - c) Potassium sparing diuretics
 - d) Angiotensin converting enzyme (ACE) inhibitors.
 - e) Prevention of Dental caries
 - f) Anti platelet drugs
 - g) Newer insulins
 - h) Ciprofloxacin
 - i) Vinca alkaloids
 - j) Atropine substitutes
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AK 612

Second B.D.S. DEGREE EXAMINATION

(Old Regulations)

Paper III - GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time : Three hours

Max. Marks : 100

Answer All questions.

1. Define the terms with examples (3 X 3 = 9)
- a). Anaphylaxis
 - b). Placebo
 - c). Microsomal enzyme induction
- 2 A]. a). Classify adrenergic drugs. (4)
- b). Mention the therapeutic uses and adverse reactions of adrenaline. (5)
- (OR)
- 2 B]. a). List antihistaminic (H1 blockers) drugs. (4)
- b). Mention their therapeutic uses and adverse reactions in general. (5)
3. Explain the pharmacological basis for the following
- a). Acetylcholine has very short duration of action.
 - b). Benzylpenicillin is not very effective orally
 - c). Reserpine produces postural hypotension.
 - d). Combination of sulfamethoxazole and trimethoprim (4 X 3 = 12)

4. Write briefly on the following (4 X 5 = 20)
- a). Digoxin - uses and adverse reactions
 - b). Xylocaine - uses and adverse reactions
 - c). Pharmacological actions of atropine
 - d). Tetracycline preparations - comparisons and uses
5. a). Classify anticancer agents and enumerate their adverse reactions. (5+5)
- (OR)
- b). Classify antithyroid drugs and enumerate their adverse reactions. (5+5)
6. Write briefly on: (4 X 5 = 20)
- a). Topical antifungal agents.
 - b). Disulfiram
 - c). Dentifrices
 - d). Folic acid
7. Mention two drugs with the basis for their use in the following conditions. (5 X 4 = 20)
- a). Angina pectoris
 - b). Acute bacillary dysentery
 - c). Grandmal epilepsy
 - d). Acute bronchial asthma
 - e). Acute primary syphilis

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AK 615

Second B.D.S. DEGREE EXAMINATION
(New Regulations)
Paper III - GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time : Three hours

Max. Marks : 90

Two and a half an hour
for Sec. A & B

Sec. A & B : 60 Marks

Answer Sections A and B in separate answer books.
Answer Section C in the answer sheet provided.

SECTION - A

1. a). List four oral and two parenteral preparations of iron (3)
b). Mention the adverse reactions of iron. (3)
c). Compare and contrast heparin and warfarin sodium. (4)
2. a). Classify diuretics (5)
b). List two drugs useful in hypertension. (1)
3. Mention four differences between the following (2 X 4 = 8)
a). Morphine and pethidine
b). Cimetidine and Ranitidine
4. Explain the pharmacological basis for the following (2 X 3 = 6)
a). Alkalinisation of urine in salicylate poisoning.
b). Combination of sulfamethoxazole and trimethoprim.

SECTION - B

5. Write briefly on the following:

(6 X 5 = 30)

- a). Therapeutic uses of benzyl penicillin
- b). Mechanism of action, uses and adverse reactions of digoxin.
- c). Differences between d - tubocurarine and succinylcholine.
- d). Factors modifying bioavailability of drugs
- e). Antiseptics and disinfectants
- f). Classification and adverse reactions of antithyroid drugs.

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[AK 618]

Subject Code : 4078

Second B.D.S. Degree Examination

(Revised Regulations)

Paper III - GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time : Three hours Max. : 100 marks.

Two and a half an hour

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

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided

SECTION - A

1. Compare and contrast
 - a) Warfarin and Heparin (7)
 - b) Morphine and Aspirin (7)
2. Explain the pharmacological basis for the following : (4X4 = 16)
 - a) Digoxin is useful in congestive cardiac failure and in atrial fibrillation.
 - b) Adrenaline is useful in anaphylactic shock.
 - c) Dextran is useful in hypovolemic shock.
 - d) Sulphonyl ureas are useful in NIDDM (maturity onset) diabetes mellitus.

SECTION - B

(8X5 = 40)

3. Write briefly on the following :
- a) Drug receptors
 - b) Alpha adrenergic blockers
 - c) Intravenous anaesthetics
 - d) Competitive neuro muscular blockers
 - e) Gentamicin
 - f) Acyclovir
 - g) Vitamin D
 - h) Vinca alkaloids

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(PK 612)

SECOND B.D.S. DEGREE EXAMINATION

(OLD REGULATIONS)

PAPER-III GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time: Three hours

Max:100 marks

Answer Sections A and B in
separate answer books

SECTION - A

1. a) Classify antiepileptic drugs based on chemical structure and clinical use. (3+3=6)
- b) Write the mechanism of action, therapeutic uses and adverse effects of sodium valproate. (3)
2. A) Explain briefly with one example:
 - a) Idiosyncrasy (3)
 - b) Enzyme inhibition (3)
 - c) Physical dependence on drugs (3)(OR)
2. B) a) Classify general anaesthetics(3)
- b) Write the disadvantages of ether (3)
- c) Write briefly on Ketamine (3)

3. Explain the pharmacological basis for the following: (4x3=12)
 - a) Pilocarpine is used in Glaucoma.
 - b) Dopamine is used in Cardiogenic shock
 - c) Phenylephrine is preferred to antimuscarinic agents for Mydriasis in elderly males.
 - d) Dantrolene is useful in Malignant Hyperthermia.
4. Write briefly on the following: (4x5=20)
 - a) Therapeutic uses and adverse effects of Metronidazole
 - b) Mechanism of Action, Pharmacokinetics, uses & adverse effects of Trimethoprim
 - c) Mechanism of Action, Route of Administration, uses & Toxicity of Nystatin
 - d) Therapeutic uses & adverse effects of Cyclophosphamide.

SECTION - B

5. a) Describe briefly the mechanism of action and adverse effects of drugs used in Angina Pectoris. (10)
(OR)
- b) Classify Diuretics and write their uses and adverse effects (10)
6. Write briefly on: (4x5=20)
 - a) Drugs for Megaloblastic Anaemia
 - b) Drugs for Hypercalcaemia
 - c) Uses & adverse effects of Oestrogens
 - d) Mechanism of action and therapeutic uses of Metoclopramide

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. Mention one drug for the following
with reason for the use. (5x4=20)

- a) Control of bleeding after
tooth extraction
- b) Unproductive cough
- c) Control of skeletal muscle spasm
in tetanus
- d) Post operative pain
- e) Scurvy

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(PK 615) Subject code: 4078

SECOND B.D.S. DEGREE EXAMINATION

(NEW REGULATIONS)

PAPER-III GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time: Three hours Max: 90 marks
Two and a half hours Sec. A & B:60
for Sec. A and B marks

Answer Sections A and B
in separate answer books

Answer Section C in the
answer sheet provided

SECTION - A

1. A) Classify both Narcotic and Non-Narcotic analgesics(4+4=8)
B) Mention the pharmacological actions, mechanism, uses and adverse effects of Ibuprofen(4)
2. Explain briefly: (2x3=6)
 - a) Factors affecting drug absorption
 - b) Plasma protein binding of drugs

3. Compare and contrast:-

- a) Halothane & Nitrous oxide (3)
- b) Diazepam & Phenobarbitone (3)

4. Explain the pharmacological basis for the following: (2x3 =6)

- a) Pilocarpone is used in Glaucoma
- b) Estrogen and progesterone as oral contraceptives

SECTION - B

5. Write briefly on the following:
(6x5=30)

- a) Acyclovir
- b) Urokinase
- c) Bleaching agents
- d) Digoxin
- e) Radio-active Iodine
- f) Domperidone

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Subject Code : 4078

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY AND
THERAPEUTICS

Time : Three hours

Maximum : 100 marks

Two and a half hours

Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A

1. Compare and contrast
 - (a) Ether and Nitrous Oxide. (7)
 - (b) Phenobarbitone and Diazepam. (7)
2. Explain the pharmacological basis for the following :
(4 x 4 = 16)
 - (a) Diphenyl hydantoin in treatment of epilepsy.
 - (b) Cyanocobalamin (Vitamin/B₁₂) in treatment of Pernicious anemia.
 - (c) Dopamine in treatment of Hypovolemic shock.
 - (d) Sublingual Nitroglycerin in treatment of acute angina pectoris.

SECTION B — (8 x 5 = 40 marks)

3. Write briefly on the following :
 - (a) Pharmacogenetics.
 - (b) Metronidazole.

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- (c) Beta lactamase inhibitors.
 - (d) Insulin preparations.
 - (e) Antiseptic mouth washes.
 - (f) Lignocaine.
 - (g) Domperidone.
 - (h) Obtundents.
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SECOND B.D.S. DEGREE EXAMINATION

(Old Regulations)

PAPER-III GENERAL DENTAL PHARMACOLOGY

Time: Three hours

Max:100 marks

Answer Sections A and B in
separate answer books

SECTION-A

1. Define the terms with examples: (3x3=9)
- a) Anaphylaxis.
 - b) Placebo.
 - c) Bioavailability.
2. A) a) Enumerate atropine substitutes. (3)
- b) Explain the actions of atropine on (6)
- i) Gastrointestinal system.
 - ii) Secretions.

(OR)

- B) a) Classify adrenergic drugs. (3)
- b) Mention four uses and four adverse reactions of adrenaline. (4)
- c) Mention two similarities and two differences between Paracetamol and Aspirin. (2)

3. Explain the pharmacological basis: (3x4=12)
- a) Chloramphenicol should not be used for trivial infections.
 - b) Sodium bicarbonate in acute salicylate poisoning.
 - c) Combination of penicillins along with aminoglycosides.
4. Write briefly on the following: (4x5=20)
- a) The adverse reactions of glucocorticoids.
 - b) Heparin: Mechanism of action and therapeutic uses.
 - c) Drugs used to prevent dental caries.
 - d) Topically used antifungal agents and their uses.
5. a) List any four opioid analgesics. (2)
- b) Compare and contrast between any two commonly used opioid analgesics. (5)
- c) Outline the treatment of acute opioid poisoning (5)
- d) List four antitussives. (2)
6. A) a) Classify drugs used for skeletal muscle relaxation. (4)
- b) Explain the advantages and adverse reactions of two most commonly used skeletal muscle relaxants. (6)
- c) Explain four methods of producing local anaesthesia. (6)

(OR)

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6.B) Mention the uses and adverse reactions of
the following: (4x4=16)

- a) Tolbutamide.
- b) Diclofenac Sodium.
- c) Vitamin K
- d) Calcium channel blockers

7. Mention two drugs for the following conditions
explaining the basis for selecting the particular
drug for each condition. (4x5=20)

- a) Facial edema.
- b) Gonorrhoea.
- c) Vomiting.
- d) Pain due to tooth caries.

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SECOND B.D.S. DEGREE EXAMINATION

(New Regulations)

PAPER-III GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time: Three Hours
Two and a half hours
for Sec. A and B

Max: 90 marks
Sec. A & B: 60
marks

Answer sections A and B in
separate answer books

Answer Section C in the answer
sheet provided

SECTION-B(6x5=30)

3. Write short notes on:

- a) Metronidazole.
- b) Sublingual drug administration.
- c) Nifedepine.
- d) Lignocaine.
- e) Adverse effects of corticosteroid therapy.
- f) Disclosing solutions.

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1. Classify the various analgesics. Describe the pharmacological actions, adverse effects and therapeutic uses of Aspirin. (15)
2. Explain the pharmacological basis for the following: (3x5=15)
 - a) Sulfonylureas are not effective in Type I Diabetes mellitus.
 - b) Why Trimethoprim is combined with Sulfamethoxazole in a ratio of 1:5(Co-trimoxazole)
 - c) Why Rifampicin and Oral contraceptives should not be administered together.

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Sub. Code : 4078

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY AND
THERAPEUTICS

Time : Three hours

Maximum : 100 marks

Two and a half hours
for Section A and B

Section A & B : 70 marks

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Compare and contrast (3 × 5 = 15)
 - (a) Adrenaline and ephedrine.
 - (b) Heparin and warfarin.
 - (c) Aspirin and paracetamol.
2. Explain the pharmacological basis for the following usages : (3 × 5 = 15)
 - (a) Atropine in organophosphorous poisoning.
 - (b) Adrenaline with local anaesthetics.
 - (c) Salbutamol in bronchial asthma.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Drug synergism.
 - (b) Rifampicin.
 - (c) Osmotic diuretics.

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- (d) Pharmacogenetics.
 - (e) Antiemetics.
 - (f) Preanaesthetic medication.
 - (g) Disclosing solutions.
 - (h) Topical sulfonamides.
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(SV 615)

Sub.Code:4078

SECOND B.D.S. DEGREE EXAMINATION

(New Regulations)

PAPER-III GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time: Three hours
Two and a half hours
for Sec. A and B

Max:90 marks
Sec.A&B:60
marks

Answer Sections A and B in
separate answer books

Answer Section C in the
answer sheet provided

SECTION-A

1. Explain the pharmacological basis for the following:
 - a) Thiazides in Hypertension (5)
 - b) Oxytocin in induction of labour. (5)
 - c) Diazepam in status epilepticus (5)
2. Discuss the different routes of drug administration. Mention the advantages and disadvantages of the oral and topical routes of drug administration. (15)

SECTION-B

3. Write short notes on: (6x5=30)

- a) Iron preparations
- b) Cotrimoxazole
- c) Nifedepine
- d) Diclofenac Sodium
- e) Haemostatics
- f) Adverse effects of corticosteroid therapy

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[SV 618]

Sub. Code : 4078

SECOND B.D.S. DEGREE EXAMINATION.

(Old/Revised Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY AND
THERAPEUTICS

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

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify NSAIDS. Write the examples for each group. Enumerate the adverse effects and therapeutic uses of Aspirin.

Explain the pharmacological basis for the following :

- (a) Digoxin in congestive cardiac failure.
- (b) Frusemide and spironolactone as diuretics.
- (c) Captopril in Hypertension

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

- (a) Ketamin.
- (b) Acyclovir.
- (c) Drug receptors.
- (d) Therapeutic uses of Glucocorticoids.
- (e) Therapeutic uses of propranolol.
- (f) Synergism.
- (g) Gentamycin.
- (h) Sodium valproate.

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[SM 615]

SECOND B.D.S. DEGREE EXAMINATION.

(New Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY AND
THERAPEUTICS

Time : Three hours Maximum : 90 marks

Two and a half hours Sec. A & Sec. B : 60 marks
for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A

1. Explain the pharmacological basis for the following :
 - (a) Insulin in Type I Diabetes mellitus. (5)
 - (b) Nitroglycerin in acute Angina pectoris. (5)
 - (c) Radio active Iodine in hyperthyroidism. (5)
2. Classify the various drugs used in hypertension.
Describe the pharmacological action, adverse effects and
therapeutic uses of propranolol. (5 + 10)

SECTION B — (6 × 5 = 30 marks)

3. Write short notes on :
 - (a) Therapeutic index.
 - (b) Oral anticoagulants.
 - (c) Prednisolone.
 - (d) Anti-septic mouthwashes.
 - (e) Dissociative Anesthesia.
 - (f) Anti-emetics.
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[SM 618]

Sub. Code : 4078

SECOND B.D.S. DEGREE EXAMINATION.

(Old/Revised Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY AND
THERAPEUTICS

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

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify the various sedative, hypnotic agents. Describe the pharmacological actions, adverse effects and therapeutic uses of DIAZEPAM. (5 + 10)

2. Explain the pharmacological basis for the following :

- (a) Dopamine in shock
- (b) Lignocaine with adrenaline in dentistry
- (c) Trimethoprim with sulfamethoxazole combination.

SECTION B — (5 × 8 = 40 marks)

3. Write short notes on :

- (a) Pharmacogenetics
- (b) Sodium Thiopentone

(c) Transdermal drug delivery system

(d) Metronidazole

(e) Anti-septic mouth washes

(f) Use of Morphine

(g) Fibrinolytic agents

(h) Radioactive iodine.

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Sub. Code : 4078

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

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

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify penicillins with examples for each group. Enumerate the adverse effects and therapeutic uses of benzyl penicillin G.
2. Explain the pharmacological basis for the following :
 - (a) Cromolyn sodium in bronchial asthma
 - (b) Nitroglycerine in angina pectoris
 - (c) Dopamine in shock.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Enzyme induction.
 - (b) Theopentone sodium
 - (c) Mummifying agents.
 - (d) Haemostatics.

- (e) Diphenhydramine.
- (f) Metoclopramide.
- (g) Co-trim oxazole.
- (h) Adverse effects of glucocorticoids.

APRIL - 1999

[SG 657]

Sub. Code : 4136

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations)

**Paper III — GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS**

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

Answer Sections A and B in separate answer sheets.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify local anaesthetics with examples. Explain the different techniques of local anaesthesia. Explain how the duration of local anaesthetic action can be prolonged.

2. Mention one clinical condition and explain the pharmacological basis for the following drug combination :

- (a) Atropine and neostigmine.
- (b) Hydralazine and propranolol.
- (c) Amoxicillin and clavulanic acid.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
- (a) Pharmacogenetics.
 - (b) Drug antagonism.
 - (c) Salbutamol.
 - (d) Phenytoin sodium.
 - (e) Iron preparations.
 - (f) Insulin preparations.
 - (g) Enzyme induction.
 - (h) Warfarin sodium.
-

OCTOBER - 1999

[KA 618]

Sub. Code : 4078

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

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

Answer Section A and Section B in separate answer
books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify the various Beta lactam antibiotics. Describe the spectrum of action, adverse effects and therapeutic uses of AMOXICILLIN. (5 + 10)
2. Explain the pharmacological basis for the following :
 - (a) Phenytoin sodium in grandmal epilepsy.
 - (b) Sodium thiopentone as inducing agent for general anaesthesia.
 - (c) Low dose aspirin therapy.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Sublingual drug administration.
 - (b) Methotrexate.

- (c) Adverse effects of corticosteroids.
- (d) Newer antihistamines (H₁ Blockers).
- (e) Immuno modulators.
- (f) Mummifying agents.
- (g) Metoclopramide.
- (h) Osmotic diuretics.

OCTOBER - 1999

[KA 657]

Sub. Code : 4136

SECOND B.D.S. DEGREE EXAMINATION

(Modified Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

Time : Three hours Maximum : 100 marks
Two and a half hours Sec. A and Sec. B : 70 marks
for Sec. A and Sec. B. Section C : 30 marks

Answer Sections A and B in separate Answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify B-Blockers. Discuss the rationale in therapeutic use and write their adverse effects. (15)
2. Explain the pharmacological basis for the following :
 - (a) Plasma Expanders in Hypovolemic shock. (5)
 - (b) Oximes in Organo phosphorous compound poisoning. (5)
 - (c) Hyoscine in Motion sickness. (5)

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Sodium chromoglycate
 - (b) Sodium valproate
 - (c) Ketamine
 - (d) Thrombolytics
 - (e) Use of Anticoagulants
 - (f) Locally acting sulfonamides
 - (g) Topical antifungal agents
 - (h) Prednisolone.

APRIL - 2000

[KB 618]

Sub. Code : 4078

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY
AND THERAPEUTICS

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

Answer Sections A and B in separate Answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify NSAIDs. Explain four therapeutically useful pharmacological actions of Aspirin. Enumerate the adverse effects of Aspirin. Outline the management of Salicylate poisoning. (5 + 6 + 2 + 2)

2. Explain the pharmacological basis for the following :

(a) Adrenaline in anaphylactic shock. (5)

(b) Morphine in Acute left ventricular failure. (5)

(c) Glycopyrrolate in preanaesthetic medication. (5)

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

(a) Lignocaine

(b) Adverse effects of glucocorticoids

(c) Co-trimoxazole

(d) Iron preparations

(e) Captopril

(f) Semisynthetic penicillins

(g) Styptics

(h) Liquid paraffin.

APRIL - 2000

[KB 657]

Sub. Code : 4136

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY
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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

Answer Sections A and B in separate Answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify glucocorticoids. Explain three therapeutically useful pharmacological actions of glucocorticoids. Explain their adverse effects. (15)

2. Explain the pharmacological basis for the following :

(a) Atropine and Neostigmine in myasthenia gravis. (5)

(b) Propranolol and hydralazine in hypertension. (5)

(c) Spironolactone and frusemide in oedema. (5)

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

(a) Neuroleptanalgesia

(b) Phenytoin sodium

(c) Metoclopramide

(d) Obtundents

(e) Uses of Calcium channel blockers

(f) Warfarin

(g) Quinolones

(h) Rifampicin.

OCTOBER - 2000

[KC 618]

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SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY
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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

Answer Sections A and B in separate Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify fluoroquinolones. Explain the mechanism of action, uses and adverse effects of ciprofloxacin. (15)
2. Explain the pharmacological basis of
 - (a) β blocker and long acting nitrate combination in Angina. (5)
 - (b) Lignocaine and adrenaline for local anaesthesia. (5)
 - (c) Diphenoxylate and atropine in diarrhoea. (5)

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Vitamin D
 - (b) Therapeutic uses of oxygen
 - (c) Sodium calcium edetate
 - (d) Oral nutritional supplementation
 - (e) Astringents
 - (f) Bleaching agents
 - (g) Uses of H_1 receptor antagonists
 - (h) Analeptics.

OCTOBER - 2000

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SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper III — GENERAL DENTAL PHARMACOLOGY
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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

Answer Sections A and B in separate Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify Local Anaesthetic Agents. What is the mechanism of action, pharmacological actions, adverse effects and uses of Lignocaine. (2 + 3 + 4 + 4 + 2)

2. Explain the pharmacological basis for the following :

(a) Salbutamol in Bronchial Asthma. (5)

(b) Atropine as a preanaesthetic medication. (5)

(c) Lugol's Iodine prior to thyroid surgery. (5)

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

- (a) Fluorides.
- (b) Iatrogenic diseases.
- (c) Long acting glucocorticoids.
- (d) Oral anticoagulants.
- (e) A.C.E. inhibitors.
- (f) H₂ receptor antagonists.
- (g) D-tubocurarine.
- (h) Cox. II inhibitors.