

February 2011

[KY 705]

Sub. Code : 4172

SECOND B.D.S. DEGREE EXAMINATION.

(Regulations for the candidates admitted from 2008–2009 onwards)

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

Q.P. Code : 544172

Time : Three hours

Maximum : 70 marks

Answer **ALL** questions.

I. Essays:

(2 x 15 = 30)

1. Classify the drugs used for the treatment of Bronchial asthma. Discuss in detail about the mechanism of actions, adverse drug effects and interaction of Theophylline. Add a note of inhalational steroids.
2. Write the Pharmacological basis of
 - (a) Cholinesterase reactivators in Organophosphorus poisoning
 - (b) Metclopamide in the treatment of vomiting
 - (c) Lignacaine and adrenaline combination in dental practice.

II. Write short notes on :

(6 x 5 = 30)

1. Ketorolac
2. Second generation antihistamines
3. Sulfonyl ureas
4. Microsomal enzyme induction
5. Synthetic atropine substitutes
6. Pre anaesthetic medication.

III. Short answers questions :

(5 x 2 = 10)

1. Prophylaxis of Migraine
2. Therapeutic index
3. Four examples for dentrifices
4. Four examples for local haemostatics
5. Post antibiotic effect.

August 2011

[KZ 705]

Sub. Code : 4172

SECOND B.D.S. DEGREE EXAMINATION

GENERAL DENTAL PHARMACOLOGY AND THERAPEUTICS

Q. P. Code : 544172

Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions

I. Essay Questions:

(2 x 20 = 40)

1. Classify local anesthetics. Describe the mechanism of action, various routes of administration (with suitable illustrations) and uses of Lignocaine. Write how the action of Lignocaine can be prolonged. Add a note on the differences between Lignocaine and Cocaine.
2. Enumerate the drugs used in peptic ulcer. Write the mechanism of action with suitable diagram, uses, interactions and adverse effects of Proton pump inhibitors. Add a list of drugs used in dental practice which can induce peptic ulcer and the agents that protect gastric mucosa.

II. Write Short notes on :

(10 x 6 = 60)

Write the actions, uses and adverse effects of the following:

1. Co trimoxazole.
2. Atenolol.
3. Levocetirizine.
4. Furosemide.
5. Succinyl choline.
6. Domperidone.
7. Zidovudine.
8. Clopidogrel.
9. Ciprofloxacin.
10. Chloroquine.

February 2012

[LA 657]

Sub. Code: 4172

SECOND B.D.S. DEGREE EXAMINATION
PAPER II – GENERAL DENTAL PHARMACOLOGY AND
THERAPEUTICS

Q.P.Code: 544172

Time: Three hours

Maximum: 70 Marks

Answer ALL questions in the same order
Draw Suitable diagrams wherever necessary

I. Elaborate on: (2X10=20)

1. Enumerate the drugs used in insomnia. Describe the mechanism of action, uses adverse effects and Interactions of Benzodiazepines. Add a note on drugs used in benzodiazepine poisoning.
2. Enumerate the drugs used in different types of shock. Write in detail the reasons for using them and how the various drugs are used in Anaphylactic and Cardiogenic shock.

II. Write notes on: (10×5=50)

1. Factors modifying drug action
2. Amlodipine
3. Phenytoin
4. Coagulants
5. Rifampicin
6. List of emergency drugs in dentistry
7. Antiseptics
8. Human insulins
9. Calcium preparations
10. Methotrexate

[LB 657]

AUGUST 2012

Sub. Code: 4172

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER II – GENERAL DENTAL PHARMACOLOGY
AND THERAPETUTICS**

Q.P.Code: 544172

Time: 180 Minutes

Maximum: 100 Marks

Answer ALL questions in the same order

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|---|----|----|----|
| 1. Define adverse drug reaction. Mention the various adverse drug reactions with examples. Explain the treatment of poisoning. | 19 | 30 | 20 |
| 2. Classify NSAIDS. Discuss the mechanism of action, uses, and adverse effects of acetyl salicylic acid. Write brief note on the prevention of gastritis due to aspirin like drugs. | 19 | 30 | 20 |

II. Write Notes on:

- | | | | |
|--------------------------------------|---|----|---|
| 1. Biotransformation. | 3 | 10 | 5 |
| 2. Furosemide. | 3 | 10 | 5 |
| 3. Protonpump inhibitors. | 3 | 10 | 5 |
| 4. Methotrexate. | 3 | 10 | 5 |
| 5. Xylocaine. | 3 | 10 | 5 |
| 6. Fluconazole. | 3 | 10 | 5 |
| 7. Antiemetics. | 3 | 10 | 5 |
| 8. Ciprofloxacin. | 3 | 10 | 5 |
| 9. Salbutamol. | 3 | 10 | 5 |
| 10. Opioid antagonist. | 3 | 10 | 5 |
| 11. Biological half life. | 3 | 10 | 5 |
| 12. Treatment of status epilepticus. | 3 | 10 | 5 |

[LC 657]

FEBRUARY 2013

Sub. Code: 4172

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER II – GENERAL DENTAL PHARMACOLOGY
AND THERAPETUTICS**

Q.P.Code: 544172

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2x10=20)

1. Enumerate beta lactam antibiotics. Discuss briefly the antibiotic spectrum, Mechanism of action, adverse effects and uses of Penicillin-G
2. Classify Local Anaesthetics. Explain the various local anaesthetic techniques with examples. Write briefly on **lignocaine**.

II. Write Notes on:

(10x5=50)

1. Plasma half-life of drugs
2. Acute paracetamol poisoning
3. Phenytoin
4. Centrally acting muscle relaxants
5. Dentifrices
6. Local Hemostatics
7. Nucleoside reverse transcriptase inhibitors
8. Proton pump inhibitors
9. Anabolic steroids
10. Thiazide diuretics

[LD 657]

AUGUST 2013

Sub. Code: 4172

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER II – GENERAL DENTAL PHARMACOLOGY
AND THERAPETUTICS**

Q.P.Code: 544172

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2x10=20)

1. Classify NSAIDS. Write the mechanism of action, uses and adverse effects of Ibuprofen.
2. Discuss in detail about the various route of administration with suitable examples.

II. Write Notes on:

(10x5=50)

1. Dopamine
2. Omeprazole
3. List any 4 techniques used in local anaesthesia.
4. Cefuroxime
5. Antioxidant Vitamins
6. Ramipril
7. Ketamine
8. Furosemide
9. Codeine
10. Obtundents.

[LE 657]

FEBRUARY 2014

Sub. Code:4172

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER II – GENERAL DENTAL PHARMACOLOGY
AND THERAPETUTICS**

Q.P Code: 544172

Time: 180 Minutes

Maximum: 70 marks

I. Elaborate on:

(2X10=20)

1. Enumerate the Antidiabetic drugs. Write the pharmacological actions, uses and adverse effects of Insulin.
2. Classify Local anesthetics, Write the mechanism of action, uses and adverse effects of Lignocaine.

II. Write Notes on:

(10X5=50)

1. Amoxycillin with clavulanic acid
2. Pre anesthetic medication
3. Thiazide diuretics
4. Mouth washes
5. Iatrogenic diseases
6. Metoclopramide
7. Oral anticoagulants
8. Metronidazole
9. Acute Paracetamol poisoning
10. List of emergency drugs used in dentistry

[LF 657]

AUGUST 2014

Sub. Code: 4172

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER II – GENERAL DENTAL PHARMACOLOGY
AND THERAPETUTICS**

Q.P Code: 544172

Time: 180 Minutes

Maximum: 70 marks

I. Elaborate on:

(2X10=20)

1. Classify general Anaesthetics. Discuss the various uses and adverse reactions of ketamine.
2. Classify non steroidal Anti inflammatory drugs. Explain the therapeutic uses and adverse reactions of Aspirin.

II. Write Notes on:

(10X5=50)

1. Drug tolerance
2. Naloxone
3. Nifedepine
4. Spironolactone
5. Cotrimoxazole
6. Lignocaine
7. Desferrioxamine
8. Salbutamol
9. Astringents
10. Metoclopramide

SECOND YEAR B.D.S. DEGREE EXAM
PAPER II – GENERAL DENTAL PHARMACOLOGY
AND THERAPETUTICS

Q.P Code: 544172

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Enumerate Aminoglycosides. Discuss their mechanism of action, adverse effects and uses. Elaborate the reasons for failure of antimicrobial therapy.
2. Enumerate Corticosteroids. Discuss the actions and uses of Glucocorticoids. Write briefly on the contraindications of steroids.

II. Write Notes on: **(10 x 5 = 50)**

1. Teratogenicity.
2. Lidocaine.
3. Selective COX - 2 Inhibitors.
4. Heparin.
5. Prokinetic drugs.
6. Diazepam.
7. Drug therapy of migraine.
8. Metronidazole.
9. General toxicity of anticancer drugs.
10. Third generation Cephalosporins.

[LH 657]

AUGUST 2015

Sub. Code: 4172

SECOND YEAR B.D.S. DEGREE EXAMINATION

PAPER II – GENERAL DENTAL PHARMACOLOGY AND THERAPEUTICS

Q.P. Code: 544172

Time : Three Hours

Maximum : 70 marks

Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Classify Local anesthetics. Write the various techniques by which L.A can be administered with therapeutic applications.
2. Classify Cephalosporins. Write the antibacterial spectrum, mechanism of action, adverse effects and uses of Ceftriaxone.

II. Write notes on :

(10 x 5 = 50)

1. Therapeutic Index.
2. Cardio selective beta blockers.
3. Carbamazepine.
4. Pre – anesthetic medication.
5. Digoxin.
6. Ranitidine.
7. Dimercaprol.
8. Anabolic steroids.
9. Metronidazole.
10. Amoxycillin.

[LI 657]

FEBRUARY 2016

Sub. Code: 4172

SECOND YEAR B.D.S. DEGREE EXAMINATION

PAPER II – GENERAL DENTAL PHARMACOLOGY AND THERAPEUTICS

Q.P. Code : 544172

Time : Three Hours

Maximum : 70 Marks

Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Classify Sedative - Hypnotics, Write the mechanism of action, uses and adverse effects of Diazepam. Add a note on Benzodiazepine antagonist.
2. Classify beta – lactam antibiotics. Write the mechanism of action, uses and adverse effects of Ceftriaxone.

II. Write Notes on:

(10 x 5 = 50)

1. Fentanyl.
2. Adverse effects of Glucocorticoids.
3. Styptics.
4. Metronidazole.
5. Proton Pump inhibitors.
6. Diclofenac sodium.
7. Cetrizine.
8. Microsomal enzyme induction.
9. Salbutamol.
10. Low molecular weight Heparin.
