

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper III - Modified Regulation III Candidates)

**PAPER II – GENERAL AND DENTAL PHARMACOLOGY AND
THERAPEUTICS**

Q.P Code: 544207

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2 x 10 = 20)

1. Classify opioid analgesics. Write about the mechanism of action, uses and adverse effects of morphine.
2. Classify penicillins. Write the anti bacterial spectrum mechanism, adverse effects and uses of Amoxicillin.

II. Write Notes on:

(10 x 5 = 50)

1. Iatrogenic diseases.
2. Atropine substitutes.
3. Local Anesthesia.
4. Diazepam.
5. Streptokinase.
6. Uses of H₁ blockers.
7. Potassium sparing diuretics.
8. Newer Insulins.
9. Ketoconazole.
10. Rifampicin.

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

1. Enumerate the various routes of drug administration with suitable examples. Mention the advantages and disadvantages of oral route.
2. Classify drugs used in Peptic Ulcer. Write the mechanism of action, pharmacological actions, therapeutic uses and adverse effects of Proton Pump Inhibitors.

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

1. Penicillin G.
2. Calcium channel blockers.
3. Antiplatelet drugs.
4. Sulfonyl Ureas.
5. Aminoglycoside antibiotics.
6. Antiseptics.
7. H₂ Antihistamines.
8. Paracetamol.
9. Diazepam.
10. Therapeutic uses of anticholinergic drugs.

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I. Elaborate on:

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1. Classify drugs used in Bronchial Asthma. Write in detail about the role of Glucocorticoids in Bronchial Asthma.
2. Classify drugs used in Chemotherapy of Malignancy. Explain in detail about Methotrexate.

II. Write Notes on:

(10 x 5 = 50)

1. Intravenous route of drug administration.
2. Lignocaine.
3. Skeletal muscle relaxants.
4. Antiemetics.
5. Nitroglycerine.
6. Mefenamic Acid.
7. Tetracyclines.
8. Local hemostatics.
9. Topical Antifungal drugs.
10. Angiotensin converting enzyme inhibitors.

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

1. Enumerate various adverse drug reactions. Write in detail about any three adverse reactions.
2. Enumerate anti – amoebic drugs. Write the mechanism, toxicity and uses of Metronidazole.

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

1. Special drug delivery systems.
2. Lignocaine.
3. Diazepam.
4. Disulfiram.
5. Glyceryl trinitrate.
6. Mechanism of action and uses of proton pump inhibitors.
7. Furosemide.
8. Uses and adverse effects of hydrocortisone.
9. Ceftriaxone.
10. Methotrexate.

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

1. Classify Beta lactam Antibiotics. Write the Mechanism of action, Uses and Adverse reaction of Semisynthetic Pencillin.
2. Classify Non Steroidal Anti inflammatory drugs (NSAIDS). Write in detail about the Uses and Adverse reaction of Paracetamol and its acute poisoning and treatment.

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

1. Synergism.
2. Ketamine.
3. Low molecular weight Heparin.
4. Frusemide.
5. Lignocaine.
6. Metformin.
7. Ondansetron.
8. Uses and Toxicities of morphine.
9. Chlorhexidine mouth wash.
10. Vitamin K.

[LO 657]

FEBRUARY 2019

Sub. Code: 4207

SECOND YEAR B.D.S. DEGREE EXAM
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**PAPER II – GENERAL AND DENTAL PHARMACOLOGY AND
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Q.P Code: 544207

Time: 180 Minutes

Maximum: 70 Marks

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

1. Classify Beta Blockers. Write in detail about the Actions, Uses and Adverse reactions of Propranolol.
2. Write in details about the various Routes of Drug Administrations with Examples.

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

1. Cox II Inhibitors.
2. Amoxicillin.
3. Brief about the techniques used in Local anesthesia.
4. Captopril.
5. Aspirin.
6. Adverse drug reactions of Anticancer drugs.
7. Anti fungal agents.
8. Ciprofloxacin.
9. Fentanyl.
10. Nystatin.

[LP 657]

AUGUST 2019

Sub. Code: 4207

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Q.P Code: 544207

Time: 180 Minutes

Maximum: 70 Marks

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

1. Classify drugs used for Peptic Ulcer. Write in details about actions uses and adverse drug action of proton pump inhibitors.
2. Classify Sedative hypnotics. Write in detail about of the Mechanism of action, Uses and Adverse reaction of Benzodiazepines and its antidote.

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

1. Nitroglycerine.
2. Ibuprofen.
3. Amoxicillin and Clavulanic acid.
4. Phenytoin.
5. Calcium channel blockers.
6. Treatment of Anaphylactic Shock.
7. Naloxone.
8. Low dose Aspirin.
9. Iron preparations.
10. Anti oxidant Vitamins.

[LQ 657]

FEBRUARY 2020

Sub. Code: 4207

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

1. Classify corticosteroids. Write in detail uses and adverse effects of Glucocorticoids.
2. Classify general anesthetics. Write in detail uses and adverse effects of Halothane.

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

1. Teratogenicity.
2. Adrenaline.
3. Vitamin- C.
4. Broad Spectrum Antibiotics.
5. Digoxin.
6. Tachyphylaxis.
7. Ranitidine.
8. Salbutamol.
9. Cefuroxime.
10. Antiseptics.

[LR 657]

DECEMBER 2020
(AUGUST 2020 SESSION)

Sub. Code: 4207

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Time: 180 Minutes

Maximum: 70 Marks

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

1. Classify Non Steroidal Anti-Inflammatory Drugs. Write in detail about Actions, Adverse effects and uses of Paracetamol. Add a note on treatment of Paracetamol Poisoning.
2. Classify General Anaesthetics. Write in detail, uses and adverse effects of Halothane.

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

1. Teratogenicity.
2. Adrenaline.
3. Phenytoin.
4. Broad Spectrum Antibiotics.
5. Digoxin.
6. Corticosteroids.
7. Ranitidine.
8. Aspirin.
9. Insulin.
10. Anti Fungal Agents.

[BDS 0921]

SEPTEMBER 2021
(FEBRUARY 2021 SESSION)

Sub. Code: 4207

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Q.P Code: 544207

Time: 180 Minutes

Maximum: 70 Marks

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

1. Classify Antiepileptics. Write in detail about Mechanism of Action, Adverse Effects and uses of Phenytoin Sodium.
2. Classify Aminoglycosides. Mention the Common Properties, Mechanism of Action, Adverse Effects and uses of Aminoglycosides.

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

1. Morphine.
2. Uses of Adrenaline in Dentistry.
3. Immunosuppressant.
4. Atropine uses and Toxicities.
5. Methotrexate.
6. Preanaesthetic Medication.
7. Fluoroquinolones
8. Ranitidine.
9. Metformin.
10. Adverse effects of Lignocaine.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 1221]

**DECEMBER 2021
(AUGUST 2021 SESSION)**

Sub. Code: 4207

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Q.P Code: 544207

Time: 180 Minutes

Maximum: 70 Marks

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

1. Classify Local Anaesthetics. Write in detail mechanism of action uses, adverse effects of Lignocaine.
2. Classify Corticosteroids. Write in detail uses and adverse effects of Glucocorticoids.

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

1. Tachyphylaxis.
2. Beta-Blockers.
3. Local Anaesthetics.
4. Ibuprofen.
5. Therapeutic uses of Corticosteroids.
6. Naloxone.
7. Antiseptics.
8. Cefuroxime.
9. Salbutamol.
10. Erythromycin.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0522]

**MAY 2022
(FEBRUARY 2022 SESSION)**

Sub. Code: 4207

**B.D.S. DEGREE EXAM
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SECOND YEAR

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Time: 180 Minutes

Maximum: 70 Marks

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

1. Enumerate the various routes of drug administration with suitable examples. Give the advantages and disadvantages of Intravenous route of administration.
2. (i) Classify drugs used in Diabetes mellitus. Write about the Mechanism of action, uses & adverse effects of Glimepiride.

(ii) Write a short note on types on insulin preparations.

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

1. Diclofenac.
2. Oral Rehydration salts (ORS).
3. Lignocaine with Adrenaline.
4. Propranolol.
5. List of emergency drugs used in dentistry.
6. Angiotensin receptor blockers.
7. Sodium Valproate.
8. Heparin.
9. General toxicity of Anticancer drugs.
10. Vitamin B12.
