

**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 H<sub>1</sub> 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. H<sub>2</sub> Antihistamines.
8. Paracetamol.
9. Diazepam.
10. Therapeutic uses of anticholinergic drugs.

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**Maximum: 70 Marks**

**I. Elaborate on:**

**(2 x 10 = 20)**

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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**Maximum: 70 Marks**

**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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[LN 657]

AUGUST 2018

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 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.

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[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.

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[LP 657]

AUGUST 2019

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**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.

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[LQ 657]

FEBRUARY 2020

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**Time: 180 Minutes**

**Maximum: 70 Marks**

**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.

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[LR 657]

DECEMBER 2020  
(AUGUST 2020 SESSION)

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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.

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