

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – Dec- 2019

Time: 3 Hrs.

[Max. Marks : 70]

GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS

(RS-3)

QP Code: 1184

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

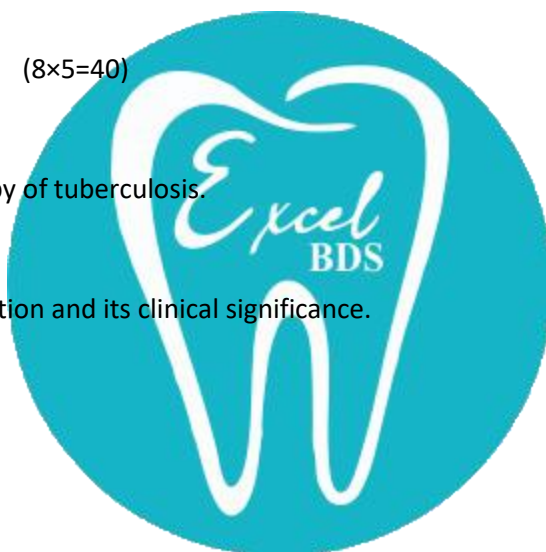
(2×10=20)

1. Classify the Beta-blockers. Discuss their therapeutic uses and adverse effects.
2. Classify local anesthetics. Discuss the mechanism of action, adverse effects and different techniques used in the administration of local anesthetics.

SHORT ESSAY

(8×5=40)

3. Short course chemotherapy of tuberculosis.
4. Ce-trimoxazole.
5. Microsomal enzyme induction and its clinical significance.
6. Diclofenac sodium.
7. Mast cell stabilizers.
8. Antifibrinolytics
9. Disclosing agents
10. Adverse effects and contraindications of glucocorticoids



SHORT ANSWERS

(5×2=10)

11. Explain potency and efficacy of drugs.
12. Role of inhalational glucocorticoids in bronchial asthma
13. Management of acute and chronic fluoride toxicity
14. Rationale of carbamazepine use in neuralgic pain
15. Mention four adverse effects of phenytoin

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – JULY- 2019

Time: 3 Hrs.

[Max. Marks : 70]

GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS

(RS-3)

QP Code: 1184

Your answers should be specific to the questions asked.

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1. Classify Anti-Cholinergic drugs. Discuss the Pharmacological actions, Adverse reactions and Therapeutic uses of Atropine.
2. Classify Penicillin's. Discuss the Mechanism of action, Adverse reactions and Therapeutic uses Amoxicillin.

SHORT ESSAY

8 X 5 = 40 Marks

3. Bronchodilators
4. Plasma Protein Binding
5. Pro-Kinetic Agents
6. Lignocaine
7. Drugs used in dental Plaque
8. Sodium Valproate
9. ACE Inhibitors
10. Tetracyclines



SHORT ANSWERS

5 X 2 = 10 Marks

11. Name four Anti-fungal agents.
12. Name four second generation Anti-histaminics.
13. Vitamin D
14. Mention any four contraindications for Corticosteroids.
15. Disadvantages of the Oral Route

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II B.D.S Degree Examination – JULY- 2018

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GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS

(RS-3)

QP Code: 1184

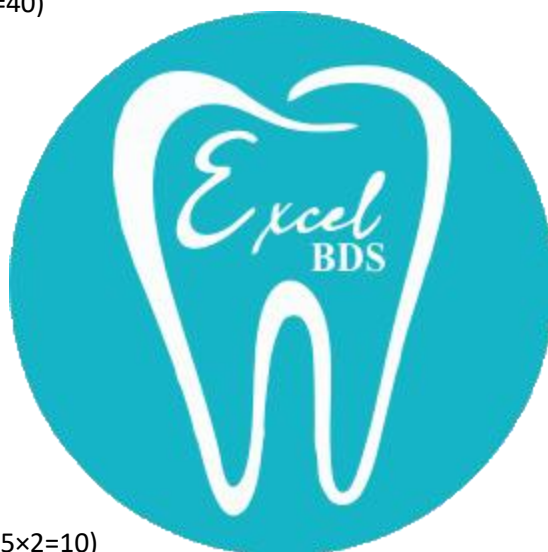
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LONG ESSAY (2×10=20)

1. Define Bioavailability. Discuss the factors affecting Drug absorption and Bioavailability
2. Discuss Fluoride pharmacology

SHORT ESSAY (8×5=40)

3. Prodrug
4. TNH
5. Omeprazole
6. Heparin
7. Nasal Decongestants
8. Ciprofloxacin
9. Dimercaprol
10. Atenolol



SHORT ANSWERS (5×2=10)

11. Define therapeutic index. What is its clinical significance
12. Alkalinisation is done in Barbiturates poisoning. Explain
13. Lignocaine is combined with Adrenaline in Infiltration anesthesia. Explain
14. Mention the Antidotes in following drug poisoning:
 - a) Iron poisoning
 - b) Paracetamol poisoning
 - c) Atropine poisoning
 - d) Benzodiazepine poisoning
15. Mention any two contraindications of Morphine

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GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

QP Code: 1184

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1. Classify the antihypertensive drugs. Discuss pharmacological actions, adverse effects and therapeutic uses of ACE inhibitors.
2. Classify anti tubercular drugs. Discuss the mechanism of action, uses and adverse effects of Rifampicin.

SHORT ESSAY

8 X 5 = 40 Marks

3. Proton pump inhibitors
4. Mouth wash
5. Reversible anticholinesterases
6. Management of motion sickness
7. Drug synergism
8. Oxidizing antiseptics
9. Diclofenac sodium
10. Uses of SSRIs



SHORT ANSWERS

5 X 2 = 10 Marks

11. Management of organophosphorus poisoning
12. Rationale of propranolol in thyrotoxicosis
13. Rationale of combining beta-lactamase inhibitors with amino penicillin's
14. Two advantages and two disadvantages of transdermal route of drug administration
15. Rationale of chemoprophylaxis before tooth extraction

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II B.D.S Degree Examination – JUNE- 2017

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GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

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LONG ESSAY

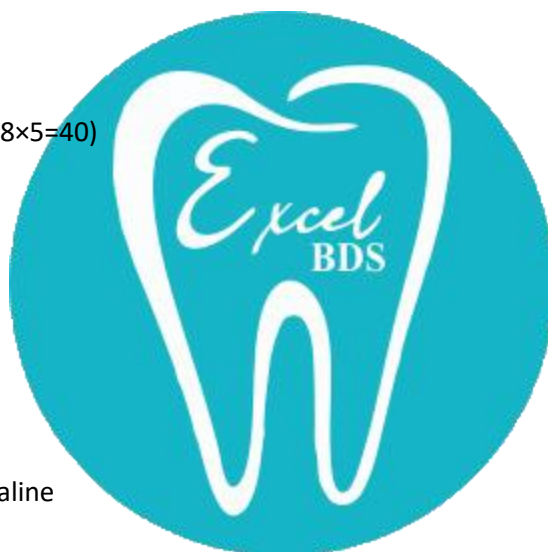
(2×10=20)

1. Classify non-steroidal anti-inflammatory drugs. Explain the therapeutic uses and adverse effects of aspirin. Add a note on aspirin poisoning.
2. Classify drugs used in angina pectoris. Discuss the mechanism of action, therapeutic uses and adverse effects of glyceryl trinitrate.

SHORT ESSAY

(8×5=40)

3. Cotrimoxazole
4. Drug antagonism.
5. Isoniazid.
6. Preanesthetic medication.
7. Styptic agents
8. Therapeutic uses of adrenaline
9. H blockers
10. Therapeutic uses of glucocorticoids.



SHORT ANSWERS

(5×2=10)

11. Mention any two advantages of oral route of drug administration.
12. Pharmacological basis of combining Amoxicillin and Clavulanic acid as antimicrobial agents.
13. Mention two contraindications of Morphine.
14. Mention two uses of thiazide diuretics.
15. Mention two antimetabolites.

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LONG ESSAY

(2 X 10=20)

1. Define the term broad spectrum antimicrobial drug. Mention the broad spectrum anti-microbial agents, Write about the mode of action and the adverse effects of tetracyclines. (2+2+3+3)

2. Classify the Anti-hypertensive drugs. Write the uses and adverse effect of angiotensin converting enzyme inhibitors (ACEI)

(4+2+2+2)

SHORT ESSAY

(8×5=40)

3. Pre-anesthetic medications.

4. Sialagogues

5. Pharmacotherapy of grandmal epilepsy

6. Heparin

7. Newer insulins.

8. Compare and contrast furosemide and thiazides

9. Salbutamol

10. Metronidazole

SHORT ANSWERS

(5×2=10)

11. Mention two uses of beta blockers.

12. Explain the rationale for combining Clavulanic acid with Amoxicillin

13. Name four drugs used in its treatment of peptic ulcer

14. Name two advantages and two disadvantages of oral route of drug administration.

15. Name two anti-depressants.



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LONG ESSAYS

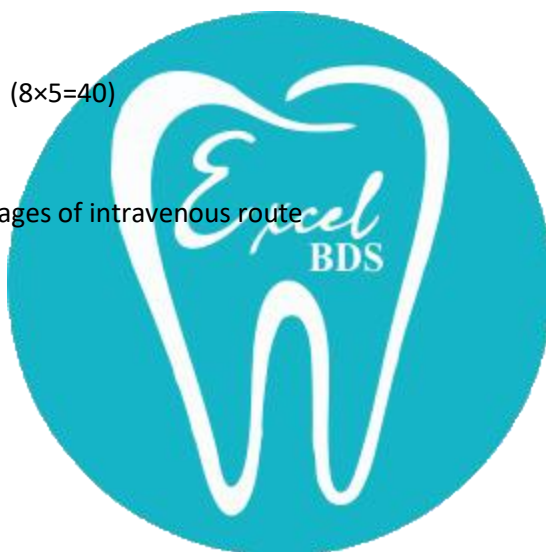
(2×10=20)

1. Classify Penicillin's. Write the spectrum of action, mechanism of action, therapeutic Uses and adverse effect of Amoxicillin.
2. Classify Anti-cholinergic. Write the therapeutic uses and adverse effect of Atropine.

SHORT ESSAYS

(8×5=40)

3. Advantages and disadvantages of intravenous route
4. xylocaine
5. Tramadol
6. Metronidazole
7. Cough suppressants
8. Uses of Corticosteroids
9. Aspirin
10. Ketoconazole



SHORT ANSWERS

(5×2=10)

11. Mention the drugs used in Typhoid fever
12. Adrenaline in Anaphylactic Shock
13. Adverse effects of Phenytoin
14. Amlodipine
15. Obtundents

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II B.D.S Degree Examination – DECEMBER- 2016

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QP Code: 1184

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LONG ESSAY (2×10=20)

1 Define local anesthesia, Classify local anesthetics. Write about the various routes of administration and uses of lignocaine.

2. Write the therapeutic classification of sympathomimetic drugs. Write about the various uses and the rationale for using adrenaline in dental practice.

SHORT ESSAY (8×5=40)

3. Sulfonylureas.

4. Uses of propranolol.

5. Pharmacotherapy of myocardial infarction.

6. iatrogenic diseases.

7. Indications and contraindications of morphine

8. Uses and advantages of ketamine.

9. Albendazole.

10. Proton pump inhibitors.

SHORT ANSWERS (5×2=10)

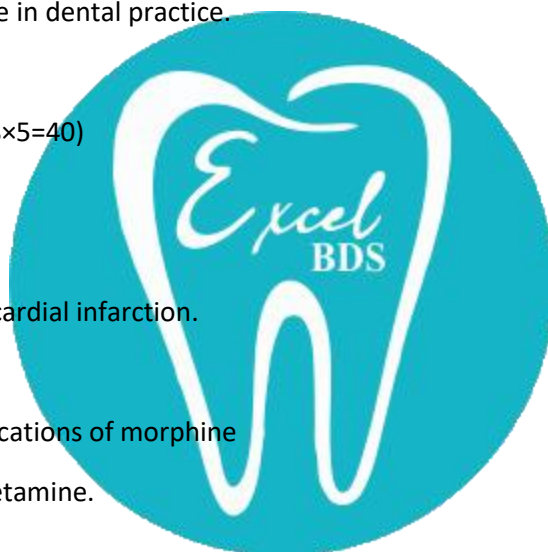
11. Mention two anti-retroviral drugs.

12. Mention two antiemetic agents and its uses.

13. Mention two antifungal agents.

14. Explain the rationale for giving pyridoxine with isoniazid.

15. Name four drugs used in dental plaque.



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II B.D.S Degree Examination – JULY- 2015

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GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

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LONG ESSAY (2×10=20)

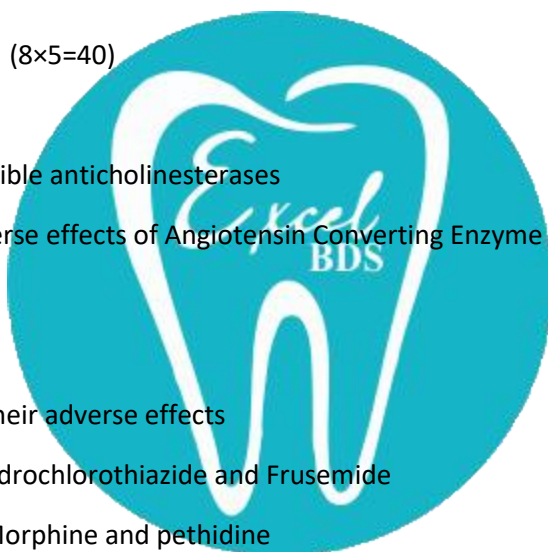
1. Classify local anesthetics. Describe the mechanism of action and adverse effects of Lignocaine
2. Enumerate the various routes of drug administration with suitable examples.

SHORT ESSAY (8×5=40)

- 3 Dentifrices
4. Therapeutic uses of reversible anticholinesterases
5. Therapeutic uses and adverse effects of Angiotensin Converting Enzyme Inhibitors (ACEI)
6. Ranitidine
7. Phenytoin
8. Preparations of iron and their adverse effects
9. Compare and contrast: Hydrochlorothiazide and Frusemide
10. Compare and contrast: Morphine and pethidine

SHORT ANSWERS (2×5=10)

11. Name four thrombolytics
12. Rationale of Amoxicillin and Clavulanic acid combination
13. Mention four non- endocrine uses of Glucocorticoids
14. Mast cell stabilizers
15. Super infection



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II B.D.S Degree Examination – DECEMBER- 2015

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QP Code: 1184

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LONG ESSAYS

(2×10=20)

1. Classify Non-Steroidal Anti-inflammatory Drugs. Explain the mechanism of action, therapeutic uses and adverse effects of Aspirin.
2. Classify Sympathomimetics. Mention its pharmacological actions and therapeutic uses of Adrenaline.

SHORT ESSAYS

(8×5=40)

3. Ketamine
4. H₂-Receptor Antagonist
5. Methylxanthines
6. Atropine
7. Local routes of Drug Administration
8. Disclosing agents
9. Treatment of Cardiogenic Shock
10. Doxycycline



SHORT ANSWERS

(5×2=10)

11. Albendazole
12. Give two examples of Drug antagonism
13. Hamycin
14. Name the antidotes of Heparin and Warfarin toxicity
15. Styptics

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – JUNE- 2014

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GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

QP Code: 1184

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Draw neat labeled diagrams wherever necessary.

LONG ESSAYS (2×10=20)

1. Classify Non-steroidal Anti-inflammatory Drugs. Explain the mechanism of action, therapeutic uses and adverse effect of Aspirin. (4+1+3+2=10 marks)
2. Classify Beta lactam Antibiotics. Explain the mechanism of action, therapeutic uses and adverse effect of Benzyl Penicillin.

SHORT ESSAYS (8×5=40)

3. Anticoagulant drugs
4. Irritant and Counter Irritants
5. Transdermal delivery system
6. Disinfectants
7. Alpha Blockers
8. Inhalational Anesthetics
9. Tetracycline
10. Ranitidine



SHORT ANSWERS (5×2=10)

11. Miotic Drugs
12. Fixed Dose combination
13. Treatment of Diabetic Ketoacidosis
14. Oral Route Of Drug Administration
15. Treatment of Dental Abscess

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II B.D.S Degree Examination – DECEMBER- 2014

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LONG ESSAY

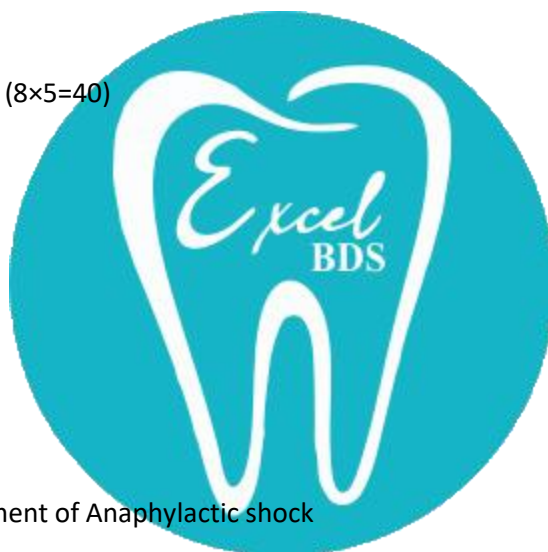
(2×10=20)

1. What are Beta-lactam antibiotics? Write the pharmacology of Amoxicillin and the dosage regimen in a patient with mitral valve prolapse syndrome posted for dental extraction.
2. Classify Anti-cholinergic agents. Discuss the action, therapeutic uses and adverse effects of Atropine.

SHORT ESSAY

(8×5=40)

- 3 Acetyl salicylic acid
4. Insulin analogues
5. Oral anticoagulants
6. Dentifrices
7. Metronidazole
8. Ascorbic acid
9. Pharmacological management of Anaphylactic shock
10. Furosemide



SHORT ANSWERS

(2×5=10)

11. Name any two drugs producing Gingival hyperplasia as side effect
12. Name any two drugs used in Bronchial Asthma
13. Name any two Salagogues
14. Explain why Ethyl alcohol is administered in methyl alcohol poisoning
15. Name any four Styptic agents

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – JUNE- 2013

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QP Code: 1184

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LONG ESSAY (2×10=20)

1. Classify non-steroidal anti-inflammatory drug. Explain the mechanism of action, uses adverse effects of Aspirin.
2. Classify the local anesthetic and explain their mechanism of action. Discuss the various uses of local anesthetics.

SHORT ESSAY (8×5=40)

3. Bleaching agents
4. Styptics
5. Phenytoin
6. Proton pump inhibitors
7. Osmotic diuretics
8. Albendazole
9. Nifedipine
10. Teratogenicity of drugs



SHORT ANSWERS (5×2=10)

11. Salbutamol and ipratropium bromide
12. Tetracyclines and chloramphenicol
13. Oral and sublingual route of drug administration
14. Sulfonylureas and meglitinides
15. Amitriptyline and fluoxetine

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II B.D.S Degree Examination – DECEMBER- 2013

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GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

QP Code: 1184

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LONG ESSAY

(2 X 10 = 20)

1. What is a local anesthetic agent? Classify with suitable examples. Explain the pharmacology of lignocaine. Comment On the combination of adrenaline with lignocaine.
2. Classify antitubercular drugs. Discuss the mechanism of action, adverse effects and uses of Rifampicin drugs.

SHORT ESSAY

(8 X 5 = 40)

3. Anti-metabolites
4. Obtundents
5. Cotrimoxazole
6. oral anti diabetic drugs
7. Anti-emetics
8. Morphine
9. Terbutaline
10. Carcinogenicity



SHORT ANSWERS

(5×2=10)

11. Name two specific antidotes for respective drug overdose
12. Justify ibuprofen and paracetamol combination
13. Name any two non-sedating anti histamines
14. Name any four safe drugs in pregnancy
15. Name any two drugs not to be used in kidney diseases

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – JUNE/JULY- 2012

Time: 3 Hrs.

[Max. Marks : 70]

GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

QP Code: 1184

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LONG ESSAY

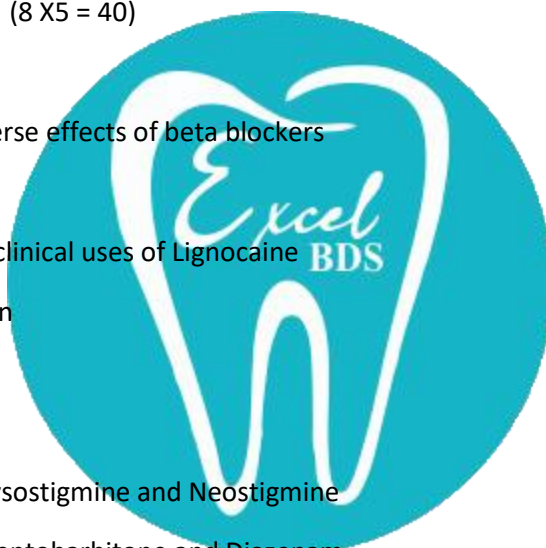
(2×10=20)

1. Enumerate four chemical classes of non-steroidal anti-inflammatory drugs with suitable examples. write the mechanism of action, clinical uses and adverse effects of aspirin
2. Enumerate aminoglycoside antibiotics. Write their general pharmacological properties. Mention therapeutic uses of Gentamicin.

SHORT ESSAY

(8 X5 = 40)

3. Therapeutic uses and adverse effects of beta blockers
4. Mummifying agents
5. Mechanism of action and clinical uses of Lignocaine
6. Pre-anaesthetic medication
7. Pantoprazole
8. Methotrexate
- 9 Compare and contrast: Physostigmine and Neostigmine
10. Compare and contrast: Pentobarbitone and Diazepam



SHORT ANSWERS

(5 X2= 10)

11. Mention two uses and two adverse effects of Digoxin
12. Mention four uses of Metronidazole
13. What is zero order Kinetics? Give one example
14. Name two non-sedative anti histamines. Mention two uses
15. Mention two uses and two adverse effects of Hydrochlorothiazide

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – DECEMBER- 2012

Time: 3 Hrs.

[Max. Marks : 70]

GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

QP Code: 1184

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

(2x10=20)

1. Classify opioid analgesics. Discuss the mechanism of action, adverse effects & therapeutic uses of morphine
2. Classify beta blockers. Discuss the pharmacological actions, adverse effects & therapeutic uses of propranolol

SHORT ESSAY

(8x5=40)

3. Thiazide
4. Cotrimoxazole
5. Newer Insulins
6. Metronidazole
7. Styptics
8. Vitamin C
9. D-Penicillamine
10. Atropine



SHORT ANSWERS

(5 X2 =10)

11. Define tachyphylaxis. Give two examples
12. Name vinka alkaloids. Discuss their mechanism of action
13. Roxdthromycin is preferred to Erythromycin. Explain
14. Mention any four therapeutic uses of Adrenaline
15. Penicillin should not be combined with Tetracycline. Explain

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – JUNE/JULY-2011

Time: 3 Hrs.

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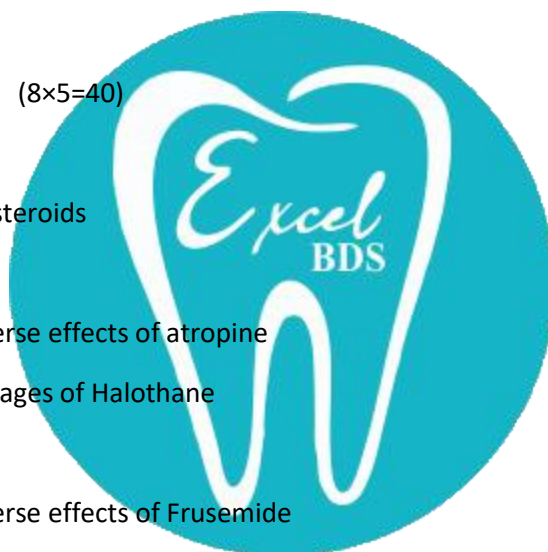
Draw neat labeled diagrams wherever necessary.

LONG ESSAY (2×10=20)

1. Classify local anesthetics with examples. Describe the mechanism of action of local anesthetics. Add a note on two types of local anesthetics.
2. Enumerate fluoroquinolones. Write the therapeutic uses and adverse effects of ciprofloxacin

SHORT ESSAY (8×5=40)

3. Adverse effects of corticosteroids
4. Obtundents
5. Therapeutic uses and adverse effects of atropine
6. Advantages and disadvantages of Halothane
7. Drug antagonism
8. Therapeutic uses and adverse effects of Frusemide
9. Compare and contrast: Adrenaline and dopamine
10. Compare and contrast: Heparin and Dicoumarol



SHORT ANSWERS (5×2=10)

11. Mention four uses of acyclovir
12. What is scurvy? Mention a drug used in this condition
13. Rationale of using ethyl alcohol in methyl alcohol poisoning
14. Name two prokinetic drugs. Mention two uses
15. Rationale of using Amlodipine in hypertension

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – DECEMBER-2011/JANUARY- 2012
Time: 3 Hrs. [Max. Marks : 70]

GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

QP Code: 1184

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Draw neat labeled diagrams wherever necessary.

LONG ESSAY (2×9=18)

1. Name the Broad spectrum Antibiotics. Discuss the antimicrobial spectrum mechanism of action, effects and therapeutic uses and contraindication for Tetracycline.
2. Define a disclosing solution. Which is an ideal disclosing solution? Briefly explain erythrosine.

SHORT ESSAY (8×5=40)

3. Oxidizing antiseptics
4. Mummifying agents
5. Ciprofloxacin
6. Chloroquine
7. Parenteral iron preparations
8. Pethidine
9. Oral rehydration salts
10. Prazosin



SHORT ANSWERS (5×2=10)

11. Metoclopramide and domperidone
12. First order and zero order kinetics
13. Probenecid and allopurinol
14. Levothyroxine and liothyronine
15. Olanzapine and carbamazepine

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – JUNE/JULY- 2010

Time: 3 Hrs.

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GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

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LONG ESSAY

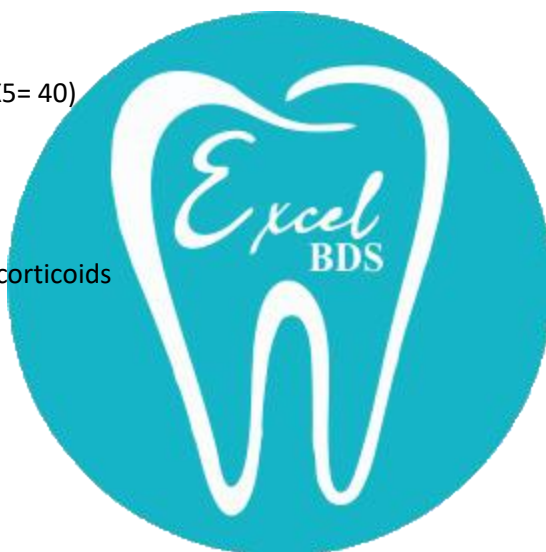
(2×10=20)

1. Classify various routes of drug administration. Discuss the merits and demerits of Oral route
- 2) classify local anesthetics. Discuss the mechanism of action, adverse effects and therapeutic use & advantages of Lignocaine.

SHORT ESSAY

(8×5= 40)

- 3) Enzyme induction
- 4) Frusemide
- 5) Therapeutic uses of Glucocorticoids
- 6) Sulfonylurea
- 7) Drug dependence
- 8) Domperidone
- 9) Rifampicin
- 10) Ampicillin



SHORT ANSWERS

(5×2=10)

11. Define counter irritant. Give two examples
12. Give an example each the following a) Anti-leprotic drug b) Anthelmintic c) Anticancerous drug d) Sulfonamide
13. Frusemide is combined with Triamterene. Explain
14. Mention any two advantages of Newer Insulin
15. Adrenaline is administered in Anaphylactic shock, Explain

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II B.D.S Degree Examination – DEC- 2010

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GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (RS-3)

QP Code: 1184

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Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify the Glucocorticoids. Discuss their adverse effects and therapeutic uses
2. Define a mouth wash. Briefly explain the different types of mouth washes with their current status in clinical practice

SHORT ESSAY

8 X 5 = 40 Marks

3. Dopamine
4. Obtundents
5. Metronidazole
6. Metoclopramide
7. Methotrexate
8. Antiplatelet drugs
9. Drug antagonism
10. Diazepam



SHORT ANSWERS

5 X 2 = 10 Marks

11. Heparin and warfarin
12. Salbutamol and theophylline
13. Furosemide and spironolactone
14. Succinylcholine and pancuronium
15. Captopril and losartan

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