

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008

B.D.S. DEGREE EXAMINATION – JANUARY, 2017

SECOND BDS EXAMINATION

GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS

(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 1) Discuss adverse drug reaction monitoring and Pharmacovigilance. 4+5=9
- 2) Classify opioid and non opioid analgesics. Describe the action, adverse effects and uses of Aspirin. 5+2+1+1=9

WRITE SHORT NOTES ON:8x4=32

- 3) Therapeutic uses and adverse effects of α (alpha) blockers
- 4) Tolerance
- 5) List preparations of insulin
- 6) Classify local anaesthetics and mechanism of action.
- 7) Bisphosphonates
- 8) Methotrexate
- 9) Obtundents
- 10) Vaccines for dentists

WRITE BRIEFLY ON:10x2=20

- 11) Patient compliance
- 12) First line of drugs used in leprosy
- 13) What are anabolic steroids? Give two examples.
- 14) Dihydropyridine calcium channel blockers
- 15) Oral anticoagulants
- 16) Name two H_2 receptor blockers and two indications.
- 17) Adverse effects of aminoglycosides
- 18) Four examples of dentifrices
- 19) Antiseptics
- 20) Styptics

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B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2016

SECOND BDS EXAMINATION

GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS

(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 2) Discuss various routes of Drug Administration with examples. 9
- 3) Classify Penicillins and write mechanism of action, uses and adverse effects of amoxicillin 3+2+2+2=9

WRITE SHORT NOTES ON:

8x4=32

- 4) Oral rehydration salts in management of Diarrhoea
- 5) Uses and adverse effects of Atropine
- 6) Therapeutic uses of H1 Antihistamines
- 7) Classify Oral Hypoglycemic Drugs
- 8) Lignocaine – Mechanism of action and uses
- 9) Mummifying agents
- 10) ACE (Angiotensin Converting Enzyme) Inhibitors
- 11) Systemic antifungal agents

WRITE BRIEFLY ON:

10x2=20

- 12) Adverse effects of Glucocorticoids
- 13) Two contraindications of Propranolol
- 14) Vitamin-D
- 15) Verapamil is contraindicated in Cardiac failure. Why?
- 16) Treatment of Heparin over dosage.
- 17) Name two Proton Pump Inhibitors and two indications.
- 18) Mechanism of action and adverse effects of Isoniazid (INH)
- 19) Four examples of local hemostatics
- 20) Cetrimide
- 21) Iatrogenic diseases

420/403

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA :: AP

B.D.S. DEGREE EXAMINATION – JANUARY, 2016

SECOND BDS EXAMINATION

GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS

(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

22) Discuss about first pass metabolism. Explain about enzyme induction and enzyme inhibition with example 3+3+3=9

23) Enumerate macrolide antibiotics. Describe the mechanism of action, adverse effects and its uses. 2+3+2+2=9

WRITE SHORT NOTES ON:8x4=32

24) Newer drug delivery system

25) Antiemetics

26) Selective Cox-2 inhibitors

27) Metformin

28) Ketamine

29) Classification of antihypertensive drugs

30) First line antitubercular drugs and MOA (Mechanism of action) of any one

31) List of emergency drugs used in dentistry.

WRITE BRIEFLY ON:10x2=20

32) Placebo

33) Rationale for use of timolol in glaucoma

34) Glucocorticoid should not be stopped abruptly following long term administration. Explain

35) Drugs used in Angina Pectoris

36) Anti-platelet drugs

37) Action and uses of Ondansetron

38) Techniques used in local Anaesthesia

39) Inhaler drugs in bronchial asthma

40) Bleaching agents

41) Mouth washes

- - -

GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS

(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

42) Classify antihypertensive agents. Discuss the pharmacological actions, uses and adverse effects of calcium channel blockers. $3+2+2+2=9$

43) Explain the adverse effects of Tetracyclines. Add a note on Doxycycline. $6+3=9$

WRITE SHORT NOTES ON:

$8 \times 4 = 32$

44) Uses of Adrenaline with rationale and route of administration

45) Transdermal drug delivery system

46) Complications of diuretics

47) Mummifying agents

48) BDZ (benzodiazepines) as anticonvulsants

49) Insulin analogues

50) PPIs (proton pump inhibitors)

51) 3rd generations cephalosporins

WRITE BRIEFLY ON:

$10 \times 2 = 20$

52) Drug antagonism

53) Plasma half life

54) Selective vasopressor agents

55) Articaine

56) Amoxicillin

57) Alendronate

58) Topical antibiotics

59) Propofol

60) Cetirizine

61) Ipratropium

B.D.S. DEGREE EXAMINATION – JANUARY, 2015
SECOND BDS EXAMINATION
GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS
(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 62) Classify non steroidal anti inflammatory drugs. 4+2+2+1=9
Write mechanism of action, uses and adverse effect of aspirin.

- 63) Classify Penicillin. Write mechanism of action, uses 4+2+2+1=9
and adverse effect of Penicillin G.

WRITE SHORT NOTES ON:

8x4=32

- 64) Lignocaine
- 65) Phenytoin Sodium
- 66) Methotrexate
- 67) Drugs used in Halitosis
- 68) Atropine Substitutes
- 69) Pre anaesthetic medication
- 70) Dentifrice
- 71) Various methods to prolong drug action

WRITE BRIEFLY ON:

10x2=20

- 72) Name four chelating agents
- 73) Name four bronchodilators
- 74) Use of fluorides in caries
- 75) Write the rationale for using Neostigmine in Myasthenia gravis
- 76) Mention four advantages of Newer insulin
- 77) Name two oral anticoagulants. Mention two adverse effects
- 78) What is Plasma half life?
- 79) Mention two therapeutic uses and two adverse effects of Furosemide.
- 80) Teratogenetic agents
- 81) Mention two ACE inhibitors and two calcium channel blockers

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B.D.S. DEGREE EXAMINATION – JUNE, 2014

SECOND BDS EXAMINATION

GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS

(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

82) Classify antiepileptic drugs. Write on mechanism of action, uses and adverse effects of Phenytoin. 4+2+2+1=9

83) Enumerate Anti-Hypertensive drugs. Discuss the mechanism of action, uses and adverse effects of ACE inhibitors. 4+2+2+1=9

WRITE SHORT NOTES ON:

8x4=32

- 84) Low molecular weight Heparins
- 85) Treatment of organophosphorus poisoning
- 86) Adverse effects and contraindications of corticosteroids
- 87) Treatment of Lepa reaction
- 88) Co-trimoxazole
- 89) Thiopentone sodium
- 90) Combined effect of drugs
- 91) Obtundants

WRITE BRIEFLY ON:

10x2=20

- 92) Role of adrenaline in Anaphylactic shock
- 93) Name four topical anti-fungal drugs
- 94) Mention four uses of Prostaglandins
- 95) Define first order kinetics. Give one example.
- 96) Name two osmotic purgatives
- 97) Define astringents. Name two examples
- 98) Name 4 anti platelet drugs
- 99) Mention two uses and two adverse effects of rifampicin
- 100) Name four anti-emetic drugs
- 101) Name two β – lactamase inhibitors

B.D.S. DEGREE EXAMINATION – JANUARY, 2014
SECOND BDS EXAMINATION
GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS
(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 1) Define Bioavailability. Discuss the factors affecting bioavailability. 2+7=9

- 2) Enumerate fluoroquinolones antibiotic. Write antibacterial spectrum, adverse effects and therapeutic uses of Ciprofloxacin. 3+2+2+2=9

WRITE SHORT NOTES ON:

8x4=32

- 3) Drug antagonism
- 4) Dental desensitizing agents
- 5) Diazepam
- 6) Mechanism of action and adverse effects of Gentamicin
- 7) Mummifying agent
- 8) Name four β blockers. Write four uses
- 9) Ketamine
- 10) Calcium channel blockers

WRITE BRIEFLY ON:

10x2=20

- 11) Write two drugs used in hypertensive emergency
- 12) Name four insulin preparations
- 13) Mechanism of action and use of minoxidil
- 14) Name four drugs used in Glaucoma.
- 15) Write the rationale for combination of lignocaine and Adrenaline
- 16) Mention four adverse effects of cytotoxic anticancer drugs
- 17) Mention four uses of aspirin
- 18) Tetracyclines are not prescribed in young children. Give reason.
- 19) Name four drugs used in preanesthetic medication.
- 20) Name two synthetic glucocorticoids and their two therapeutic uses

B.D.S. DEGREE EXAMINATION – JUNE, 2013
SECOND BDS EXAMINATION
GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS
(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 21) Enumerate various routes of administration of drugs. 9
Write the advantages and disadvantages of intravenous (iv) route of administration.

- 22) Enumerate beta-lactam antibiotics. Write 9
antibacterial spectrum, adverse effects and therapeutic uses of amoxicillin

WRITE SHORT NOTES ON:

8x4=32

- 23) Intravenous anaesthetics
24) Radioactive iodine
25) Anxiolytics
26) Naloxone
27) Antiemetics
28) Oxidizing agents
29) Mechanism of action and adverse effects of chloramphenicol
30) Name four alpha adrenergic blockers. Write the uses of alpha adrenergic blockers

WRITE BRIEFLY ON:

10x2=20

- 31) Mention two skeletal muscle relaxants and their two uses.
32) Name four antihistamines
33) Name two high ceiling diuretics and its two uses
34) Name four bronchodilators.
35) Mention the rationale of using pilocarpine in glaucoma.
36) Mention the rationale of using oximes in organophosphates poisoning
37) Name four antimetabolites used in cancer chemotherapy
38) Mention four antifungal drugs
39) Mention two drugs that cause gingival hyperplasia.
40) Write two drugs used in grand mal epilepsy

420/403-SECOND B.D.S. DEGREE EXAMINATION – DECEMBER, 2012

General & dental pharmacology & therapeutics-(nr & or)-Time : 3 Hours-Max. Marks : 70-Answer all questions-Draw neat labeled diagrams wherever necessary.

- 1..Classify local anesthetics with examples. Explain mechanism of action and therapeutic uses of Lignocaine. Add a note on complications of spinal anaesthesia=3+1+2+3=9m
- 2..Classify semisynthetic Penicillins. Describe the antibacterial spectrum, uses and adverse effects of Ampicillin=3+3+3=9m

Write short notes on: 8 x 4=32m

- 3..Drug antagonism 4..Carbamazepine 5..Atropine substitutes 6..Plasma expanders
- 7..Coagulants 8..Antiseptics and disinfectants 9..Treatment of Lepa reaction
- 10.Dental Abrasives

Write briefly on: 10 x 2=20m

- 11.Define prodrug. Give two examples 12.Write four advantages of oral route of drug administration
- 13.Why diazepam is preferred over Phenobarbitone as Sedative – Hypnotic.
- 14.Mention four non-steroidal anti-inflammatory drugs.
- 15.Mention four drugs used in Parkinsonism.
- 16.Glucocorticoids should not be stopped abruptly. Why?
- 17.Tetracyclines are contraindicated during pregnancy. Why? 18.Mention four proton pump inhibitors
- 19.Mention four antimalarial drugs. 20.Mention two topically used sulfonamides.

420/403-SECOND B.D.S. DEGREE EXAMINATION – JUNE, 2012

- 1..Classify antihypertensive drugs. Write mechanism of action, adverse effects and uses of ACE inhibitors=3+2+2+2=9m
- 2..Enumerate drugs used in Peptic ulcer. Write the Mechanism of action, adverse effects and uses of Omeprazole=3+2+2+2=9m

Write short notes on: 8 x 4=32m

- 3..Propranolol 4..Nitroglycerine 5..Newer routes of drug administration 6..Lignocaine
- 7..Newer Insulins 8..Adverse effects of glucocorticoids 9..Gentamicin
- 10.Metronidazole

Write briefly on: 10 x 2 =20m

- 11.Mention Two drugs for the treatment of vomiting. 12.Mention two drugs for productive cough
- 13.Mention two Styptics 14.Mention two Oral Iron Preparations
- 15.Mention two Oral Anticoagulants 16.Write two uses of Rifampicin
- 17 Drug of choice for acute paracetamol overdosage and reasons for its selection.
- 18.Mention two Aminoglycoside Antibiotics 19.Mention two Antifungal Agents
- 20.Mention two advantages of Amoxicillin Over Ampicillin.

420/403-SECOND B.D.S. DEGREE EXAMINATION – DECEMBER,2011/JANUARY, 2012

- 1..Enumerate non-steroidal anti-inflammatory drugs (NSAIDS). Write the pharmacological actions, adverse effects and therapeutic uses of aspirin=2+3+2+2=9m
- 2..Enumerate cephalosporins. Write the mechanism of action, adverse effects and therapeutic uses of third generation cephalosporins=3+2+2+=9m

Write short notes on: 8 x 4=32m

- 3..Benzodiazepines. 4..Fibrinolytics 5..Thiazide diuretics 6..Biguanides. 7..Saline purgatives.
8. Mechanism of action and uses of erythromycin. 9. Mummifying agents. 10.Vitamin D

Write briefly on:10 x 2=20m

- 11.Mechanism of action of disulfiram 12.Name four drugs used in peptic ulcer.
- 13.List four adverse effects of digoxin.
- 14.Write two advantages and two disadvantages of oral route of drug administration.
- 15.Name two angiotensin converting enzyme inhibitors.
- 16.Mention two advantages and two disadvantages of Halothane.

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17. Define drug antagonism. Give two examples.

18. Mention drugs used in status asthmaticus. 19. Write mechanism of action of Warfarin

20. Tetracyclines are contraindicated in pregnancy – give reasons

420/403-SECOND BDS. DEG. EXAM-JUNE, 2011-GEN. & DENT. PHARM.& THERAP-(NR &OR)

Time : 3 Hours-Max. Marks : 70-Answer all questions-Draw neat labeled diagrams wherever necessary.

1..Classify Anti cholinergic drugs. Mention the therapeutic uses and adverse effects of Atropine.

2..Classify anti epileptic drugs. Write therapeutic uses and adverse effects of Phenytoin Sodium=4+2+3

WRITE SHORT NOTES ON: 8 x 4 =32m

3..Pro drugs 4..Management of Diabetic Ketoacidosis 5..Explain action of Nitrates in Angina Pectoris

6..Captopril – Mechanism of action, uses and adverse effects. 7..H₂ receptor antagonists

8. Mention therapeutic uses and adverse effects of glucocorticoids. 9. Semi synthetic Penicillins

10. Fluorides in Dentistry.

WRITE BRIEFLY ON: 10 x 2 =11. Define chemoprophylaxis. Give one example

12. Propranolol is contraindicated in bronchial asthma. Give reason

13. Mention four uses of Prostaglandins. 14. Mention two drugs used to suppress dry cough

15. Name first line drugs used in leprosy. 16. Ethambutol is not prescribed in children. Give reason

17. Name two anticancer antibiotics. 18. Morphine in head injury.

19. Hydrogen peroxide is used as antiseptic. Give reasons. 20. Mention four water soluble vitamins.

420/403-SECOND B.D.S. DEG. EXAMINATION – DEC., 2010/JANUARY, 2011-N.R. & O.R.

1..Enumerate opioid analgesics. Write the pharmacological actions, adverse effects and contraindications of morphine=9m

2..Enumerate fluoroquinolones. Write the mechanism of action and uses of ciprofloxacin=9m

WRITE SHORT NOTES ON: 8 x 4 =32m

3..Ketamine 4..Heparin 5..Tolerance 6..Topical glucocorticoids 7..Proton pump inhibitors

8..Mechanism of action and uses of tetracyclines 9..Obtundants

10. Name four beta blockers. Write the uses of beta blockers.

WRITE BRIEFLY ON: 10 X 2=11. Mechanism of action of Pancuronium 12. Name four Fibrinolytics

13. Mechanism of action and use of Minoxidil 14. List four adverse effects of chlorpromazine

15. Write two advantages and two disadvantages of intravenous (iv) route of drug administration

16. List four uses of atropine

17. Mention four drugs used in Halitosis.

18. Give reasons for the combination of gentamicin and penicillin in enterococcal endocarditis

19. Name four chelating agents

20. List four uses of neostigmine

403-SECOND B.D.S. DEG. EXAM. –JANUARY, 2010-GEN. & DENT. PHARMACOLOGY-O.R.

PART-A (35 MARKS)

1..Classify Local anaesthetics giving suitable examples. Explain the mechanism of action and therapeutic uses of Lignocaine. Add a note on complications of spinal anaesthesia=2+5+2=9m

WRITE SHORT NOTES ON: 4 X 4 =16m

2..Organophosphorus poisoning 3..Sodium valproate. Mechanism of action and therapeutic uses

4..Mechanism of action and therapeutic uses of digitalis 5..Prokinetic drugs.

WRITE BRIEFLY ON: 5 x 2=6..Mechanism of action and two uses of Ciprofloxacin

7..Aspirin is contraindicated in patients with bleeding diathesis. Give reason.

8..Name two non-nucleoside reverse transcriptase inhibitors.

9..Chloroquine is not effective in radical cure in Plasmodium vivax malaria. Give reason.

10. List three intravenous anaesthetic agents

PART-B(35 MARKS)

11. Classify oral hypoglycaemic agents with examples. Describe the mechanism of action and adverse effects of sulfonylurea =9m

WRITE SHORT NOTES ON: 4 x 4 =16m

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- 12.High ceiling diuretics 13.Oral anticoagulants 14.Rifampicin 15.Beta lactamase inhibitors
WRITE BRIEFLY ON: 5 x 2=16.Neostigmine is preferred to physostigmine in myasthenia gravis
17.Name four nasal decongestants. 18.Name two non sedating H blockers. 19.Mummifying agents
20.Name two chelating agents. Mention one indication for each.

420-SECOND B.D.S. DEG. EXAM – JUNE, 2009-GEN. & DENTAL PHARM. & THERAP. (N.R.)

- 1..Enumerate skeletal muscle relaxants. Write the mechanism of action, therapeutic uses and adverse effects of any one of them=9m

- 2..Enumerate glucocorticoids. Write their therapeutic uses and adverse effects=9m

WRITE SHORT NOTES ON: 8 x 4 =32m

- 3..Amoxicillin 4..Uses of adrenaline in dentistry 5..Obtundents 6..Uses of diazepam
7..Rifampicin 8..Common adverse effects of anticancer drugs 9..Drug tolerance
10.Routes of administration of lignocaine

WRITE BRIEFLY ON: 10 x 2 =20

- 11.Name four drugs used in anaerobic infections 12.List four uses of antihistamines
13.Topical antibiotics 14.List the uses of warfarin 15.Adverse effects of tetracyclines
16.Dentistry and use of antiepileptic drugs 17.Name four oral antidiabetic drugs
18Name four antihypertensives used in hypertensive emergencies
19.Name four antiplatelet drugs 20.Name four antiemetics

403-SECOND B.D.S. DEG. EXAMINATION – FEBRUARY, 2009-GEN. AND DENT.PHARM.

PART-A

- 1..Classify analgesics. Describe the mechanism of action, Pharmacological actions and adverse effects of Aspirin=3+1+3+2=9

Write short notes=4x4=2..Loop Diuretics. 3..Drug Tolerance 4..Nifedipine 5..Plasma expanders

WRITE BRIEFLY ON: 5 x 2 =10m =6..Mention two drugs administered by subcutaneous route.

- 7..Mention two broad spectrum antiepileptic agents. 8..Mention two newer non sedative antihistaminics
9. Mention four uses of Adrenaline. 10.Mention four intravenous general anaesthetic agents.

PART-B

- 11.Classify insulin preparations. Write the mechanism of action and pharmacological actions and adverse effects of insulin.=3+2+2+2=9m

WRITE SHORT NOTES ON=4x4=16m

- 12.Rifampicin 13.Domperidone. 14.Drugs used in Halitosis (Bad Breath) 15.Treatment of Lepra reaction.

WRITE BRIEFLY ON:=5x2=10m

- 16.Tetracyclines should not be given to pregnant women and to infants, give reasons.
17.Mention four H-2 blockers. 18.Mention four important adverse effects of glucocorticoids.
19.Mention two advantages of amoxycillin over ampicillin.
20.Mention four bactericidal drugs used in the treatment of tuberculosis.

403-SECOND B.D.S. DEG. EXAMINATION – JULY, 2008-GEN.& DENT. PHARMACOLOGY

PART-A

- 1..Classify antihypertensive drugs. Describe the mechanism of action, adverse effects and pharmacological actions of ACE(Angiotensin converting Enzyme) inhibitors. (3+1+2+3=9)

Write short notes on:= (4x4=16)

- 2..Uses of beta blockers 3..Oral anticoagulants 4..Drug Antagonism 5..Plasma half life

Write briefly on:= (5x2)=6.Mention four inhalational General anaesthetics

- 7.Dental Abrasives – mention four drugs 8.Mechanism of action of digitalis
9.Mention four plasma expanders 10. Rationale of using low dose aspirin prophylactically

PART - B

11. Enumerate the various broad spectrum antibiotics. Discuss the mechanism of action, antibacterial spectrum and adverse effects of tetracyclines= (2+2+2+3=9)m

Write short notes on:= (4x4=16)≡12. Proton pump inhibitors 13. Newer insulins

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14. Common characteristics of aminoglycoside antibiotics 15. Dimercaprol

Write briefly on:=(5x2=10)m

16. Iron tablets should be given along with dapsone, why?
17. Mention four drugs used in the treatment of vomiting.
18. Mention two important contraindications and uses of glucocorticoids.
19. Mention two topically used sulfonamides.
20. Mention two alkylating agents used in cancer chemotherapy.

403-SECOND B.D.S. DEG. EXAM. – MARCH, 2008-GENERAL & DENTAL PHARMACOLOGY
PART-A

1. Define broad spectrum antibiotic. Write the indications and adverse effects of Doxycycline=(2+3+4=9)
Write Short Notes On: =4x4=16

2. Dental desensitizing agents. 3. Antacids 4. Drug synergism 5. Plasma expanders
Write Briefly On:= 5x2=6. Two indications and two contraindications of Mannitol
7. What is a prodrug? Give two examples. 8. Rationale of low dose of Aspirin in myocardial infarction
9. Life saving uses of Hydrocortisone 10. Why quinolones are not recommended for use in children?
PART-B

1. Classify Antihypertensive drugs. Explain the mechanism of action and two clinical uses of Enalapril.
Write two advantages of Losartan over Enalapril in hypertension=(4+1+2+2=9)
Write short notes on: =(4x4)=2. Uses of Atropine 3. Phenytoin sodium 4. Dimercaprol 5. Labetalol
Write Briefly On:=(2x5=10)=6. The basis for using Calcitriol in renal rickets.
7. Why Sulphonylureas are not useful in juvenile diabetes mellitus?
8. Basis for combining Lignocaine and Adrenaline
9. Four differences between Diazepam and Phenobarbitone.
10. Drug of choice for acute Paracetamol overdose and reason for its selection.

403-NR-B.D.S. DEGREE EXAMINATION – OCTOBER, 2007-SECOND BDS EXAMINATION-
Part-A

1. Enumerate various Local Anaesthetics. Write the mechanism of action of Lignocaine. Add a note on complications of spinal anaesthesia=4+2+3.
Write short notes on: 4 x 4 =16m; 2. Advantages and disadvantages of sublingual route 3. Uses of Atropine
4. Heparin 5. Mummifying Agents
Write briefly on: 5 x 2 =10m; 6. Define prodrug. Give two examples 7. Mention four calcium channel blockers
8. Mention four drugs used in Halitosis
9. Write four advantages of newer antihistaminics-over conventional antihistaminics.
10. Rationale of using neostigmine in the treatment of myasthenia gravis

Part-B

11. Classify oral hypoglycemic agents. Describe the mechanism of action adverse effects and preparation of sulfonylureas=3+2+2+2
Write short notes on: 4 x 4 =16m; 12. Antiemetics 13. Dapsone 14. Loop Diuretics 15. E.D.T.A.
Write brief notes on: 5 x 2 =10m; 16. Rationale of using pyridoxine along with isoniazid
17. Rationale of combining Amoxycillin with cloxacillin
18. Domperidone is preferred to metoclopramide, give reason
19. Glucocorticoids should be gradually withdrawn after long term use, Give reasons
20. Mention two vinca alkaloids used in cancer treatment

APRIL, 2007

PART - A

1. Classify Local anaesthetics giving suitable examples. Explain the mechanism of action and therapeutic uses of Lignocaine. Add a note on complications of spinal anaesthesia (3+3+3)
2. Write short notes: 4x4=16=a) Drug tolerance b) Dentifrices c) Coagulants d) Uses of Diazepam
3. Write briefly on: 5x2=10
a) The pharmacological basis and route of administration of Furosemide in acute pulmonary oedema
b) Merits of sublingual route of administration
c) Rationale of using Omeprazole and Clarithromycin in peptic ulcer d) Two uses of Methotrexate

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e) Two drug interaction between tetracycline and antacid.

PART - B

4. Classify Insulin preparations giving suitable examples. Write the mechanism of action and adverse effects of insulin. Explain the advantages of human insulin over the other conventional Insulin preparations.=(3+2+2+2)
5. Write short notes on: 4x4=16=a) Uses and adverse effects of Digoxin
b) Treatment of organophosphorous poisoning c) Desferrioxamine d) Salbutamol
5. Write briefly on: 5x2=10=a) Mechanism of action and use of Minoxidil
b) Four differences between Diphenhydramine and Loratidine
c) Mechanism of action and two uses of Ciprofloxacin d) Two contraindications of Morphine with reasons
e) Two drugs useful in schizophrenia with mechanism of action of any one of them.

SEPTEMBER-2006

Part-A

1. Classify Non-steroidal inflammatory drugs. Explain the mechanism of action and uses of Ibuprofen=3+2+4=9
2. Write short answers on: 4 x 4; a) Anticaries drugs b) Prokinetic agents c) Drug antagonism e) Heparin
3. Write briefly on: 5 x 2 =10m; a) Rationale of combining Spironolactone with Furosemide
b) First pass metabolism with suitable examples c) Methods to ameliorate toxicity of anticancer drugs
d) Rationale for combining Amoxicillin and Clavulanic acid. Write one indication for this combination
e) One use and mechanism of action of Isonicotinic acid Hydrazide (INH)

Part-B

4. Classify cholinergic drugs with examples. Write the mechanism of action, uses and adverse effects of Neostigmine=9m;
5. Write short answers: 4 x 4=a) Uses of Adrenaline b) Glibenclamide c) D-Penicillamine d) Nitroglycerine
6. Write briefly on: 5 x 2 =10m; a) Two differences between Hydrocortisone and dexamethasone
b) Four uses of metronidazole c) One use and mechanism of action of protamine sulphate
d) One indication for combining Nitrous Oxide and Halothane. Explain its rationale.
e) Two advantages of Diazepam over Phenobarbitone as hypnotic

FEBRUARY-2006

Part-A

1. Classify the drugs used in Hypertension. Write the pharmacological actions and adverse effects of ACE (Angiotensin Converting Enzyme) inhibitors = 3+3+3=9marks
2. Write : 4 x 4 =a) Drug Antagonism b) Lignocaine c) Nasal Decongestants d) Diphenyl hydantoin sodium
3. Write briefly on: 5 x 2 =10marks; a) What is Dopamine? Mention one use and route of administration.
b) Mention two uses and two adverse effects of chlorpromazine c) Mention two drugs used to suppress Dry Cough
d) Rationale of using atropine in pre-anaesthetic medication
e) Rationale of using Imipramine in Mental depression

Part-B

4. Enumerate Tetracyclines. Write their therapeutic uses and adverse effects. 3+3+3=9markks
5. Write short answers on: 4 x 4 =16marks; a) Extended spectrum penicillins b) Mouth washes
c) Therapeutic uses of prednisolone d) Omeprazole
6. Write briefly on: 5 x 2 =10marks; a) Name four drugs used in fungal infections
b) Name four oral hypoglycemic drugs c) Rationale of using D-penicillamine in copper poisoning
d) Rationale of combining Aluminium hydroxide gel and Magnesium trisilicate as Antacids.
e) Rationale of using Loperamide in Diarrhoea.

(N.R.) - OCT-NOV-2005

Part-A

1. Classify local Anaesthetics. Write their mechanism of action. Mention types of local Anaesthesia (3+4+2)
2. Write short answers on: 4 x 4 =16marks; a) Nifedipine b) Fibrinolytics
c) Advantages and disadvantages of intravenous route of administration d) Therapeutic uses of atropine
3. Write briefly on: 5 x 2 =10marks; a) Rationale of using Beta blockers in Hypertension
b) What is a plasma Expander? Give two examples c) Rationale of using Neostigmine in Myasthenia Gravis
d) Morphine is contraindicated in Head injury e) Name four Diuretics.

Part-B

4. Enumerate fluoroquinolones. Write their therapeutic uses and adverse effects =3+3+3
5. Write short answers on: 4 x 4 =16marks; a) Co-Trimoxazole b) Ranitidine c) Newer Insulins d) Obtundents

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6. Write briefly on: 5 x 2 = 10 marks; a) Rationale of combining INH (Isonicotinic and Hydrazide) with pyridoxine in treatment of tuberculosis b) Omeprazole is used in peptic ulcer
c) Name four Antimetabolites used in cancer therapy d) Name four Antiseptics used in dental practice
e) Mention two therapeutic uses and two adverse effects of Gentamicin

MAR/APR, 2005.

Part-A

1. Classify B-blockers. Describe the pharmacological actions, therapeutic uses and adverse effects of propranolol (3+2+2+2)
2. Write short answers: a) Iron preparations b) Mummifying agents c) Drug antagonism d) Thiazide diuretics
3. Write briefly on: 5 x 2 = 10 marks; a) Adrenaline is combined with Lignocaine
b) Mention four newer antihistamines with four advantages c) Dopamine is preferred in cardiogenic shock
d) Phenytoin is contraindicated during pregnancy e) Mention four drugs causing tachyphylaxis

Part-B

4. Classify Penicillins. Describe the mechanism of action, antibacterial spectrum and therapeutic uses of Ampicillin (3+2+2+2=9 marks)
5. Write short : 4 x 4 = a) Newer Insulins b) Loperamide c) Treatment of lepra reaction d) Vinca alkaloids
6. Write briefly on: 5 x 2 = 10 marks; a) Pyridoxine should be administered with INH
b) Rationale for combining sulfamethoxazole and trimethoprim c) Mention four adverse effects of Rifampicin
d) Mention four non-hormonal uses of glucocorticoids
e) Domperidone is preferred over Metoclopramide in vomiting

OCTOBER, 2004.

Part-A

1. Classify Benzodiazepines. Explain their mechanism of action and therapeutic uses. Mention their advantages over barbiturates as sedative hypnotics. (3+2+2+2=9 marks)
2. Write short answers on: 4 x 4 = 16 marks; a) Intravenous anaesthetics b) Plasma expanders
c) Drugs used in Halitosis (Bad Breath) d) Tachyphylaxis
3. Write briefly on: 5 x 2 = 10 marks; a) Define bioavailability. Mention two factors which affect bioavailability.
b) Mention four adverse effects of atropine c) Mention four ACE inhibitors
d) Rationale of combining Thiazides with spironolactone
e) Low dose aspirin is administered prophylactically in myocardial infarction.

Part-B

4. Classify Glucocorticoids. Describe their mechanism of action, adverse effects and therapeutic uses (3+2+2+2)
5. Write short notes on: 4 x 4 = a) Rifampicin b) Broad spectrum penicillins c) Dimercaprol d) Prokinetic agents.
6. Write briefly on: 5 x 2 = 10 marks; a) Ciprofloxacin should not be used in children
b) Tetracyclines are contraindicated during pregnancy and infancy
c) Sulfonamides are not very effective in the presence of pus.
d) Newer Insulins are preferred to conventional insulins. Give two reasons.
e) Mention four topically used antibiotics.

APRIL/MAY, 2004.

Part-A

1. Classify sympathomimetics. Write the therapeutic uses and adverse effects of Adrenaline (3+3+3=9 marks)
2. Write short answers on: 4 x 4 = 16 marks; a) Advantages and Disadvantages of oral route b) Ketamine
c) Oral Anticoagulants d) Therapeutic uses of Digoxin
3. Write briefly on: 5 x 2 = 10 marks; a) Mention four therapeutic uses of H1 blockers.
b) Rationale of using Aspirin in post myocardial infarction
c) Rationale of using Atropine in organophosphorous compound poisoning
d) Ethyl Alcohol is used in Methyl Alcohol poisoning. Write the rationale.
e) Rationale of using clonidine in hypertension.

Part-B

4. Enumerate the drugs used in leprosy. Write the mechanism of action and adverse effects of Dapsone. (3+3+3)
5. Write short answers on: 4 x 4 = 16 marks; a) Adverse effects of Rifampicin b) Liquid paraffin
c) Mechanism of action of Glypizide d) Dentifrices
6. Write briefly on: 5 x 2 = 10 marks; a) Tetracyclines are contraindicated during pregnancy. Give reasons.
b) Rationale of using Desferrioxamine in iron poisoning c) Rationale of using Domperidone in vomiting

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d) Mention four uses of Dexamethasone.

e) Name four antibiotics used in cancer therapy

OCTOBER, 2003. (N.R.)

Part-A

1. Classify local anaesthetics. Mention their mechanism of action and various methods of producing local anaesthesia. (3+2+4=9m)
2. Write short answers=a) Loop diuretics b) Dental Abrasives c) Pharmacogenetics d) Nonsedative antihistaminics
3. Write briefly on: 5 x 2 =10marks; a) Mention the antidote for Paracetamol poisoning. How does it act.
b) Rationale of using Dobutamine in Cardiogenic Shock.
c) Vit.K is used in over dosage of Warfarin. Give reason. d) Define prodrug. Give your examples.
e) Physostigmine is used in atropine poisoning. Give reason.

Part-B

4. Classify the drugs used in Diabetes Mellitus. Write the mechanism of action, adverse effects and uses of Sulfonylureas. (4=2+2+1=9marks)
5. Write short answers on: 4 x 4 =16marks; a) Semisynthetic penicillins b) Antimetabolites
c) H₂ blockers d) Uses and adverse effects of glucocorticoids.
6. Write briefly on: 5 x 2 =10marks; a) Tetracyclines should not be given with antacids.
b) Rationale of using probenecid with Penicillin c) Mention two prokinetic drugs and their two adverse effects.
d) Mention two important uses of Rifampicin and its two adverse effects
e) Mention four drugs used in lepra reaction.

APRIL, 2003.

Part-A

1. Define Sedative hypnotics. Classify them. What are the advantages of Benzodiazepines over Barbiturates as Sedative-Hypnotics (2+3+4=9marks)
2. Write short answers on: 4 x 4 =16marks
a) Mechanism of action of local anaesthetic b) Cardioselective beta blockers c) Fibrinolytic agents
d) Drug antagonism
3. Write brief answers on: 5 x 2 =10marks
a) Two advantages and two disadvantages of ether as general anaesthetic b) Mention four nasal decongestants
c) Name two loop diuretics. Mention two uses of them. d) Mention two atropine substitutes used as mydriatic
e) Mention four drugs used in mental depression

Part-B

4. Enumerate tetracycline preparations. Write their therapeutic uses and adverse effects. (9marks)
5. Write short answers on: 4 x 4 =16marks; a) Therapeutic uses of glucocorticoids b) Osmotic purgatives
c) Mummifying agents d) Nonsedatives H₁ blockers
6. Write brief answers on: 5 x 2 =10marks; a) Four adverse effects of insulin b) Four therapeutic uses of Erythromycin
c) Rationale of using Domperidone as antiemetic d) What is Omeprazole? Mention its two uses
e) What is superinfection? Give two examples.

OCTOBER, 2002

Part-A

1. Classify sympathomimetics. Write the cardio Vascular actions of Adrenaline. Mention uses of adrenalin=9m
2. Write short answers on: 4 x 4 =16marks.
a) Sodium Valproate b) Nimesulide c) Mechanism of action of Heparin d) Nifedipine
3. Write brief on: 5 x 2 =10marks
a) Two advantages and two disadvantages of Halothane b) Mention two Reversible Anticholinesterases.
c) What is Plasma Half life d) Mention two uses and two adverse effects of Chlorpromazine
e) Mention two uses and two adverse effects of Thiazides.

Part-B

4. Enumerate the drugs used in the treatment of Tuberculosis. Write the mechanism of action and adverse effects of any one of them (3 +3+3=9marks)
5. Write short answers on: 4 x 4 =16marks
a) Preparations of Insulin b) Dentifrices c) Drugs used in Non infective Diarrhoea. D) Vitamin-d
6. Write briefly on; 5 x 2 =10marks a) Enumerate four wider spectrum penicillins.
b) Give two reasons for preferring Ranitidine over Cimetidine
c) What is D-penicillamine? Mention its two uses

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d) Give reasons for not prescribing Tetracyclines to a child of 5 years

SECOND B.D.S. 11th February, 2002. (New Regulations) -Time: 3hours -Marks: 70 - Answer all questions

Part-A

1. Classify non-steroidal anti-inflammatory drugs. Write the therapeutic uses and adverse effects of Aspirin (Acetyl Salicylic acid) (3+3+3=9marks)
2. Write short notes on: 4 x 4 =16marks a) Diphenyl Hydantoin Sodium b) Styptic Agents
c) Advantages and disadvantages of inhalation route d) Enalapril
3. Write briefly on: 5 x 2 =10marks
a) Rationale of using Digoxin in Atrial Fibrillation b) Mention two oral and Parenteral preparations of iron
c) Rationale of using Salbutamol in Bronchial Asthma d) Mention four drugs used in Hypotension
e) Neostigmine is used in treatment of Diaphragmatic Paralysis caused by D-Tubocurarine

Part-B

4. Enumerate Aminoglycoside antibiotics. Write the antimicrobial spectrum, therapeutic uses and adverse effects of any one of them (3 +2+2+2=9marks)
5. Write short notes on: 4 x 4 =a) Adverse effects of Prednisolone b) Lepra Reaction c) Loperamide
d) Therapeutic uses of H1 blockers
6. briefly: 5 x 2 =a) Four adverse effects of Rifampicin b) Rationale of using Metoclopramide in vomiting
c) Vitamin C is given with iron in treatment of Anaemia d) Antiseptics used in Dental Practice
e) Name four Chelating agents

SECOND B.D.S. 6th AUGUST, 2001.

Part-A

1. Classify the drugs used in Epilepsy. Write the mechanism of action and adverse effects of Diphenyl hydantoin sodium-10m
2. Short Notes: a) Fibrinolytic drugs b) Cardio selective Beta blockers c) Drug Antagonism
d) Chlorpromazine e) Heavy metal Antagonists f) Verapamil 6x5=30marks

Part-B

3. Enumerate Fluroquinolones. Mention their antimicrobial spectrum, therapeutic uses and adverse effects =10
4. Short notes: a) Diamino Diphenyl sulfone b) Adverse effects of Insulin c) Ranitidine d) Methotrexate
e) Obtundents f) Non sedative Antihistamines =6x5=30marks

FEBRUARY 2001.

Part-A

1. Classify non-steroidal Anti-inflammatory drugs. Describe the pharmacological actions and therapeutic uses of salicylates-10marks
2. Short notes: a) Lignocaine b) Therapeutic uses of Adrenaline c) Enalapril d) Preparations of Iron
e) Vitamin-C f) Drug synergism =6x5=30marks

Part-B

3. Enumerate Tetracycline's. Write their antimicrobial spectrum and therapeutic uses =10marks
4. Short Notes: a) Griseofulvin b) Adverse effects of Adreno-corticosteroids c) Rifampicin
d) Denitrifies e) Omeprazole f) Aminophylline =6x5=30m

9th OCTOBER, 2000.

Part-A

1. Classify local anaesthetics. Write their mechanism of action. What are the types of local anaesthesia=10m
2. Write short notes on: 6x5=a) Prazosin b) Imipramine c) Nimesulide d) Styptic agents
e) Drug Tolerance f) Adverse effects of digoxin

Part-B

3. Classify Penicillins. Write the therapeutic uses of Benzyl Penicillin. Add a note on the treatment of acute allergic reaction due to intramuscular injection of procaine penicillin =10marks
4. Write short notes on: 6x5=a) Broad spectrum Antifungal drugs b) Preparation of insulin
c) Mouth washes d) Hydrochlorothiazide e) Domperidone f) Vasopressors

APRIL, 2000.

Part-A

1. Classify skeletal muscle relaxants. Describe the pharmacological actions, therapeutic uses and adverse effects of D-Tubocurarine =10marks
2. Write short notes on: 6x5=a) Amoxycillin b) Glybenclamide c) Sodium Valproate d) Vitamin D

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e) Heparin

f) Clonidine

Part-B

3. Enumerate Aminoglycoside antibiotics. Write the anti-microbial spectrum, side effects and therapeutic uses of Gentamycin =10marks

4. Write short notes on: 6x5=a) Co-trimoxazole b) Propranolol c) Frusemide d) Disclosing agents
e) Metoclopramide f) Salbutamol

APRIL, 1999.

Part-A

1. Classify non-steroidal anti-inflammatory drugs. Describe the pharmacological actions and therapeutic uses of salicylates =10marks

2. Write short notes on: 6x5=a) Ciprofloxacin b) Adverse effects of Glucocorticoids c) H1 blockers
d) Ketamine e) Drug Synergism f) HEPARIN

Part-B

3. Enumerate Beta Adrenergic blocking drugs. Write the pharmacological actions and adverse effects of propranolol=10m

4. Write short notes on: 6x5=a) Styptics b) Saline Purgatives c) Therapeutic use and adverse effects of digoxin
d) I.N.H.(Isonicotinic acid Hydrazide) e) Lignocaine f) Doxycycline

OCTOBER, 1998.

Part-A

1. Classify non-steroidal anti-inflammatory drugs. Describe the pharmacological actions, uses and adverse effects of the propionic acid derivatives. =10marks

2. Write short notes on: 6x5=30ma= a) Halothane b) Glibenclamide c) Salbutamol
d) Bioavailability e) Pentazocine f) Aluminium Hydroxide

Part-B

3. Classify drugs used in the treatment of infections caused by gram positive organisms. Discuss the mechanism of action, uses and adverse effects of Benzyl penicillin =10marks

4. Write short notes on: 6 x 5 =a) Antibiotics in cancer chemotherapy b) Ciprofloxacin c) Vitamin-D
d) Iso Nicotinic acid Hydrazide e) Co-trimoxazole f) Supra Infection

APRIL, 1998.

Part-A

1. Classify hypno-sedatives. Discuss the pharmacological actions, uses and adverse effects of Benzodizepines-10

2. Write short notes on: 6x5=30m. a) Warfarin sodium b) Prednisolone c) Lidocaine
d) Vitamin K e) Biotransformation f) Aluminium Hydroxide

Part-B

3. Classify drugs used in the treatment of Hypertension. Discuss the pharmacological actions, uses and adverse effects of the angiotensin converting enzyme inhibitors =10marks

4. Write short notes on: 6x5=30m = a) Acyclovir b) Gentamycin c) Ketoconazole d) Folic Acid
e) Betal actamase Inhibitors f) Tetracycline

OCTOBER, 1997.

Part-A

1. Classify Anti-coagulants. Discuss the mechanism of action, uses & adverse effects of the coumarin derivatives

2. Write short: 5x5=a) Prathormone b) Diazepam c) Neostigmine d) Furosemide e) Phenytoin sodium

Part-B

3. Classify drugs used in the treatment of infections caused by gram negative organisms. Discuss the mechanism of action, uses and adverse effects of the Fluoro quinolone =10marks

4. Write short notes on: 6x5=30m. a) Chloroquine b) Paracetamol c) Dapsone
d) Cyclophosphamide e) Metronidazole f) D-Tubocurarine

APRIL 1997.

Part-A

1. Mention the various insulin preparations with their advantages and disadvantages =10marks

2. Short notes: a) Cotrimoxazole b) Heparin c) Adrenaline d) B-12 (Cynocobalamin) e) Aluminum Hydroxide

Part-B

3. Classify drugs used in Tuberculosis. Write the Pharmacology of any two commonly used drugs =10marks

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4. Short : a)Frusemide b)Xylocaine c)Hydro cortisone d)Methotrexate e)Atropine f) Acetyl Salicylic Acid

11th OCTOBER, 1996

Part-A

1. Classify local anesthetics. Describe the pharmacological actions, uses and side effects of Xylocaine =10m
2. Short Notes: a) Procaine Penicillin b) Insulin c) Rifampicin d) Rantidene e) Chlorpromazine =5x5

Part-B

1. What are Broad spectrum antibiotics? Discuss the action, side effects, uses of Tetracycline =10marks
2. Short : a) Vincristine b) Nitrous oxide c) Methotrexate d) Ibuprofen e) Dicoumarol f) Oral Antiseptics-6x5

APRIL 1996.

Part-A

1. Classify Anti hypertensive drugs. Describe the pharmacological actions of any TWO commonly used drugs =10
2. Short notes: a) Dapsone b) Ferrous sulfate c) Warfarin sodium d) Drug Antagonism e) Noradrenaline =5x5

Part-B

3. Enumerate Antipyretic analgesics. Describe the pharmacological actions, uses, side effects of Acetyl Salicylic Acid=10m
4. Short Notes: a) Magnesium Sulfate b) Methoclopramide c) Tolbutamide d) Gentamycin
e) Phenobarbitone f) Ether =6x5=30marks

OCTOBER 1995.

Part-A

1. Classify Sympathomimetic drugs. Mention the pharmacological actions, therapeutic uses and contraindications of Adrenaline=10marks
2. Short: a) Tachyphylaxis b) Physostigmine c) Phenytoin sodium d) Ibuprofen e) Thiopentone sodium=5x5

Part-B

3. Classify the drugs used in treatment of Malignancy. Discuss the mechanism of action, therapeutic uses and side effects of Methotrexate =10marks
4. Short Notes: a) Glyceryl trinitrate b) Antacids c) Potassium permanganate d) Dexamethasone
e) Rifampicin f) Spironolactone =6x5=30marks

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