

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June\July 2010

28

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme II)

QP Code: 1085

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify Antiparkinsonian drugs. Explain pharmacological actions, adverse effects and uses of Levodopa
2. Classify Antianginal drugs. Explain pharmacological actions, adverse effects and uses of Nitrates

SHORT ESSAY

10 X 5 = 50 Marks

3. Local and systemic routes of drug administration
4. Enzyme Induction and its clinical significance
5. Pharmacological actions and uses of Morphine
6. Disulfiram
7. Inhalational Anaesthetic agents
8. Factors modifying drug actions
9. Uses of Alpha Adrenergic blockers
10. Management of Status Epilepticus
11. Digoxin toxicity and treatment
12. Directly acting Vasodilators

SHORT ANSWERS

10 X 3 = 30 Marks

13. Parenteral Iron therapy
14. Treatment of Diabetes Insipidus
15. Tranexaemic acid
16. Oral Anticoagulants
17. Name two calcium channel blockers and two uses of it
18. Acetazolamide
19. Define Analeptics and its uses
20. Atropine poisoning
21. Succinylcholine
22. Prodrug

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - December 2010

30

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme II)

QP Code: 1085

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Define Bio-transformation, Enumerate and discuss the factors affecting it.
2. Classify local anaesthetics, Explain the Mechanism of action, adverse effects and uses of lignocaine.

SHORT ESSAY

10 X 5 = 50 Marks

3. Newer drug delivery systems
4. Dopamine in cardiogenic shock
5. Selective serotonin reuptake inhibitors
6. Post marketing surveillance
7. Enzymes in therapy
8. Long term complications of Diuretics
9. Atypical antipsychotic drugs
10. Amiodarone as an antiarrhythmic agent
11. Pre - anaesthetic Medication
12. Plasma half life

SHORT ANSWERS

10 X 3 = 30 Marks

13. Zero order kinetics
14. Paracetamol poisoning
15. Nasal decongestants
16. List six drugs used in hypertensive emergencies
17. List three atropine derivatives and mention one use for each
18. Uricosuric agents
19. Therapeutic index
20. Toxicities of digoxin
21. Low molecular weight Heparins
22. Dantrolene

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination – June / July 2011

(32)

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme II)

QP Code: 1085

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss Factors Modifying Drug Effects with examples
2. Classify Antihypertensive Drugs. Discuss the Mechanism of action, Pharmacological actions, therapeutic uses and adverse effects of ARBs (Angiotensin receptor blockers)

SHORT ESSAY

10 X 5 = 50 Marks

1. Explain the Therapeutic uses of Alpha Blockers
4. Oral anticoagulants
5. Complications of diuretics
6. Benzodiazepines
7. Ropivacaine
8. Ketamine
9. Lithium
10. Digoxin – Toxicity and treatment
11. Plasma Expanders
12. Synthetic opioid Agonists

SHORT ANSWERS

10 X 3 = 30 Marks

13. Redistribution
14. Hoffman's elimination
15. Drotaverine
16. Carvedilol
17. Leflunomide
18. Flumazenil
19. Contraindications of Morphine
20. Phosphodiesterase III inhibitors
21. Nicorandil
22. Rosuvastatin

Ethyl alcohol in methyl alcohol poisoning
D-tubocurarine

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - Dec 2011 / Jan 2012

(36)

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme II)

QP Code: 1085

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify opioid analgesics. Write the pharmacological effects, therapeutic uses, adverse effects and contraindications of morphine
2. Enumerate the drugs used in the management of heart failure. write the mode of action. Pharmacological effects, therapeutic uses and adverse effects of digoxin

SHORT ESSAY

10 X 5 = 50 Marks

3. Drug dependence
4. Drug therapy of wide angle glaucoma
5. Atropine substitutes
6. Uses of β - blockers
7. Pancuronium
8. Intravenous general anaesthetic inducing agents
9. Diazepam
10. Lithium
11. Glyceryl trinitrate
12. Fibrinolytics (Thrombolytics)

SHORT ANSWERS

10 X 3 = 30 Marks

13. First pass metabolism
14. First order and zero order kinetics of drug elimination
15. Drug synergism
16. Dopaminergic agonists in parkinsonism
17. Treatment of methanol poisoning
18. Treatment of hypertensive emergencies
19. Adenosine
20. Clopidogrel
21. Indications for parenteral iron
22. Mannitol

* * * * *

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June / July 2012

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme II)

QP Code: 1085

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss on the factors modifying drug effect
2. Classify anti-anginal drugs. Write the mode of action, pharmacological effects, therapeutic uses and adverse effects of calcium channel blockers.

SHORT ESSAY

10 X 5 = 50 Marks

3. Microsomal enzyme induction
4. Reversible anti-cholinesterases
5. Uses and adverse effects of α - adrenergic blockers
6. Pre - anesthetic medication
7. Levodopa
8. Carbamazepine
9. Uses and adverse effects of Tricyclic antidepressants
10. Pharmacological effects and uses of digoxin
11. HMG-CoA reductase inhibitors
12. Warfarin

SHORT ANSWERS

10 X 3 = 30 Marks

13. Atropine poisoning
14. Dopamine
15. β - blockers in glaucoma
16. Uses of neuromuscular blockers
17. Lidocaine in arrhythmias
18. Sodium nitroprusside
19. Non - benzodiazepine hypnotics
20. Risperidone
21. Uses of diuretics
22. Erythropoietin

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY -Paper -I
(RS2 & RS3 SCHEME)
QP Code: 1085

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify antiepileptic drugs. Explain the mechanism of action, uses and adverse effects of phenytoin.
2. Classify anticoagulants. Explain the mechanism of action, uses and adverse effects of warfarin. Add a note on low molecular weight heparins.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Transdermal drug delivery system
4. Succinylcholine
5. Drug antagonism
6. Atypical antipsychotics
7. Pre – anaesthetic medication
8. Osmotic diuretics
9. Nitroglycerine
10. Uses of β blockers
11. Atropine substitutes used in the eye
12. Uses and adverse effects of morphine

SHORT ANSWERS

10 x 3 = 30 Marks

13. Drug therapy of organophosphorus poisoning
14. Name two calcium channel blockers and explain two uses of them
15. Tachyphylaxis
16. Name two angiotensin converting enzyme(ACE)inhibitors. Mention two uses and two adverse effects of any one.
17. Why is levodopa combined with carbidopa in Parkinsonism?
18. First dose phenomenon
19. Explain the drug interaction between hydrochlorothiazide and amiloride
20. Amiodarone
21. Explain two uses of adrenaline
22. Prodrug

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY -Paper -I (RS2 & RS3 SCHEME)

QP Code: 1085

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify antiepileptic drugs. Explain the mechanism of action, uses and adverse effects of phenytoin sodium.
2. Classify diuretics. Explain the mechanism of action, uses and adverse effects of furosemide.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Drug antagonism
4. Management of hypertensive emergency
5. Uses of beta adrenergic blockers
6. Atropine substitutes used in eye
7. Angiotensin converting enzyme inhibitors
8. Mechanism of action, uses and adverse effects of succinylcholine
9. Factors affecting oral absorption of drugs
10. Plasma expanders
11. Techniques of local anesthesia
12. Oral anticoagulants

SHORT ANSWERS

10 x 3 = 30 Marks

13. Oral iron preparations
14. Prodrug
15. Seligeline
16. Treatment of organophosphorus poisoning
17. Uses and adverse effects of nitrates
18. Pharmacogenetics
19. First dose phenomenon
20. Dissociative anaesthesia
21. Nasal decongestants
22. Opioid antagonist

Time: Three Hours

Max. Marks: 100 Marks

**PHARMACOLOGY -Paper -I
(RS2 & RS3 SCHEME)
QP Code: 1085**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify diuretics according to their site of action. Discuss the mechanism of action, therapeutic uses and adverse effects of frusemide. (4+1+2+3)
2. Classify opioid analgesics. Explain the pharmacological actions of morphine on central nervous system and smooth muscles with their clinical implications. (3+4+3)

SHORT ESSAYS

10 x 5 = 50 Marks

3. Uses and adverse effects of lisinopril
4. Objectives of preanesthetic medication
5. Low molecular weight heparins
6. Prazosin –uses and adverse effects
7. Methods to prolong drug action
8. Sodium nitroprusside
9. Imipramine
10. Therapeutic uses of beta blockers
11. Succinylcholine
12. Uses and adverse effects of phenytoin sodium

SHORT ANSWERS

10 x 3 = 30 Marks

13. Giving an indication explain the basis for the use of dopamine.
14. Explain the effects of atropine on eye and its clinical indication
15. Write the advantages and disadvantages of intravenous route of drug administration
16. Mention two drugs used in methanol poisoning and explain the basis for their use
17. Write three advantages of Fixed Dose Combination of drugs giving examples
18. How does amlodipine produce beneficial effect in angina? Explain why it is preferred to nifedipine
19. Write briefly on nasal decongestants
20. Diazepam is preferred to phenobarbitone as hypnotic. Give reasons.
21. Name two antithrombotic agents. Explain the mechanism of action of any one
22. Give the pharmacological basis for the use of Digoxin in heart failure.

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - June/July 2014

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify Anti-Parkinsonian drugs. Describe the mechanism of action, adverse effects and drug interactions of levodopa.
2. Classify calcium channel blockers. Describe their pharmacological actions, therapeutic uses and adverse effects.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Protein binding of drug and its significance
4. Factors modifying biotransformation of a drug
5. Carbamazepine
6. Spinal anaesthesia
7. Therapeutic uses and adverse effects of benzodiazepines
8. Neostigmine
9. Therapeutic uses of adrenaline
10. Pharmacological actions and uses of heparin
11. Potassium sparing diuretics
12. Pharmacological actions of organic nitrates

SHORT ANSWERS

10 x 3 = 30 Marks

13. What are advantages and disadvantages of rectal route of drug administration?
14. What are the differences between 'type A' and 'type B' of Adverse Drug Reactions?
15. What are advantages of Selective Serotonin Reuptake Inhibitors (SSRI) over tricyclic antidepressant drugs?
16. Name two Opioid antagonists? What are their uses?
17. What is the basis for use of anticholinergics in pre-anaesthetic medication?
18. What is the basis for use of Pralidoxime in Organophosphorus compound poisoning?
19. How does clonidine produce its antihypertensive effect? What will happen if clonidine therapy is stopped abruptly?
20. What is the basis for use of beta blockers in prophylaxis of angina?
21. What are adverse effects of frusemide?
22. Explain how low dose of aspirin prevents aggregation of platelets.

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DEC-2014

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify antiepileptic drugs. Describe the mechanism of antiepileptic action, therapeutic uses and adverse effects of Phenytoin Sodium.
2. Describe the pharmacological actions, therapeutic uses and adverse effects of Angiotensin Converting Enzyme (ACE) inhibitors.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Intravenous route of drug administration
4. Drug Tolerance
5. Methods of prolonging duration of action of a drug
6. Therapeutic uses of beta blockers
7. Atropine substitutes
8. Drug treatment of acute congestive glaucoma
9. Chlorpromazine
10. Actions of morphine on central nervous system
11. Glyceryl trinitrate
12. Therapeutic uses and adverse effects of Thiazides

SHORT ANSWERS

10 x 3 = 30 Marks

13. Give the pharmacological basis for combining carbidopa with levodopa.
14. Why adrenaline is combined with local anaesthetics?
15. Why benzodiazepines are preferred to barbiturates as hypnotics?
16. What are advantages and disadvantages of selective COX-2 inhibitors?
17. Explain the basis for use of disulfiram in alcoholism.
18. How do verapamil and Nifedipine differ in their cardiovascular actions?
19. What is the basis for use of vasodilators in congestive heart failure?
20. How does spironolactone spare potassium?
21. What are advantages of low molecular weight heparins?
22. Name two parenteral iron preparations. What are indications for parenteral iron therapy?

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - JULY 2015

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Describe the pharmacological actions, therapeutic uses and adverse effects of atropine.
2. Classify non-steroidal anti-inflammatory drugs (NSAIDs). Describe the therapeutic uses and adverse effects of aspirin.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Sublingual route of drug administration
4. Drug antagonism
5. Succinyl choline
6. Selective beta₂ stimulants
7. Uses and adverse effects of organic nitrates
8. Cardiac actions of digoxin
9. Amlodipine
10. Pre-anaesthetic medication
11. Tricyclic antidepressants
12. Warfarin sodium

SHORT ANSWERS

10 x 3 = 30 Marks

13. What is first pass metabolism? How does it affect bioavailability of a drug?
14. Explain by giving two examples how genetic factors can modify effect of a drug.
15. Explain the pharmacological basis for using ethanol in methanol poisoning.
16. Mention three therapeutic uses of neostigmine.
17. Why dopamine is used in cardiogenic shock?
18. Explain the mechanism of antihypertensive action of Beta-blockers.
19. Explain by giving reasons two contraindications for use of angiotensin converting enzyme (ACE) inhibitors.
20. What are the indications for use of mannitol?
21. What are the factors modifying absorption of iron from gastrointestinal tract?
22. For a patient of pernicious anaemia give your drug of choice, its dose, route of administration and duration of treatment.

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DECEMBER 2015

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 SCHEME)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Define the term Drug Biotransformation. Describe the different types of biotransformation with suitable examples.
2. Classify the non-steroidal anti-inflammatory drugs. Write the pharmacological actions of aspirin. Mention its adverse effects and contraindications.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Therapeutic uses of anticholinesterase agents
4. Drug tolerance
5. Therapeutic uses and adverse effects of propranolol
6. Advantages and disadvantages of Halothane
7. Mechanism of action and therapeutic uses of Potassium sparing diuretics
8. Mechanism of action and therapeutic uses of Digoxin
9. Oral iron therapy
10. Mechanism of action and clinical uses of Sodium valproate
11. Pharmacotherapy of myocardial infarction
12. Atorvastatin

SHORT ANSWERS

10 x 3 = 30 Marks

13. List three uses of Nitrates.
14. List three uses and three adverse effects of Atropine.
15. Role of barbiturates in kernicterus
16. Ethyl alcohol is used in treatment of methyl alcohol poisoning – give reasons.
17. Disadvantages of thiopental sodium
18. Rationale for combining adrenaline with lignocaine
19. Selective β_2 stimulants
20. Levodopa is not useful in drug induced Parkinsonism – give reasons
21. Name three non-depolarizing neuromuscular blockers.
22. Sodium nitroprusside

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - JUNE 2016

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Define Bioavailability. Describe the factors affecting Oral Bioavailability of the drug.
2. Classify Antihypertensive drugs. Describe the adverse effects and uses of Calcium Channel Blockers. Add a note on the treatment of Hypertensive Emergency.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Acute Morphine poisoning treatment and contraindications for Morphine usage
4. Mention different Antiplatelet drugs and discuss their mechanism of action
5. Drugs used for treatment of Obesity
6. What is Diuretic resistance? What are the approaches to overcome Diuretic resistance?
7. Mention ACE inhibitors and their therapeutic uses.
8. Selective Serotonin Reuptake Inhibitors (SSRIs)
9. Newer Antiepileptic drugs
10. What are the adverse effects of Beta-Blockers?
11. Mention the therapeutic uses of Sympathomimetic drugs.
12. Levodopa

SHORT ANSWERS

10 x 3 = 30 Marks

13. What is Elimination Half-life? Give examples of two drugs having short Half-life.
14. Write mechanism of action of Lithium and list two adverse effects.
15. Mention three drugs used in Preanaesthetic medication.
16. What are the important therapeutic uses of Hyoscine?
17. Why Atropine is not preferred for ophthalmoscopic examination of Retina in adults?
18. Rationale for using Physostigmine in Atropine poisoning.
19. Advantages of Low Molecular Weight Heparins
20. Mention three uses and two adverse effects of Diazepam.
21. What is the pharmacological basis for the use of Digoxin in Heart failure?
22. What are the therapeutic uses of Mannitol?

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination – DEC 2016

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 SCHEME)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Define Bioavailability. Describe factors affecting Bioavailability.
2. Classify anti-cholinergic drugs. Mention therapeutic uses and adverse effects of atropine. Name two atropine substitutes with one use for each.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Advantages and disadvantages of intravenous route
4. Inhalational anaesthetic agents
5. Lignocaine
6. Therapeutic uses and adverse effects of Prazosin
7. Treatment of congestive cardiac failure
8. Therapeutic uses and adverse effects of Thiazide diuretics
9. Calcium Channel Blockers
10. Parenteral iron therapy
11. Atypical antipsychotics
12. Phenytoin Sodium

SHORT ANSWERS

10 x 3 = 30 Marks

13. Acetazolamide
14. Nasal decongestants
15. Angiotensin receptor blockers
16. Mention six uses of reversible anti-cholinesterase drugs.
17. Metoprolol
18. Rationale of using morphine in Left Ventricular Failure
19. Low Molecular Weight Heparin
20. Advantages of benzodiazepines over Barbiturates
21. Treatment of methyl alcohol poisoning
22. Advantages of Selective Serotonin Reuptake Inhibitors over Tricyclic Antidepressants

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - **JUNE 2017**

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 SCHEME)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify sympathomimetics. Describe the cardiovascular actions and therapeutic uses of adrenaline.
2. Classify antiepileptic drugs. Describe mechanism of action, therapeutic uses and adverse effects of phenytoin sodium. Mention newer antiepileptic drugs.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Enzyme induction and its clinical significance
4. Transdermal route of drug administration
5. Treatment of Organophosphorus poisoning
6. Uses of alpha adrenergic blockers
7. Mechanism of action, therapeutic uses and adverse effects of Ramipril
8. Mechanism of action and therapeutic uses of Furosemide
9. Fibrinolytic drugs
10. Therapeutic uses and adverse effects of morphine
11. Clonidine
12. Factors modifying drug action

SHORT ANSWERS

10 x 3 = 30 Marks

13. Three differences between Barbiturates and Benzodiazepines
14. Succinyl choline
15. Atropine substitutes
16. Mention six uses of anti-platelet drugs.
17. Name three uses of verapamil.
18. Treatment of paracetamol poisoning
19. Explain the pharmacological basis for combining Carbidopa with Levodopa.
20. Six uses of centrally acting muscle relaxants
21. Rosuvastatin
22. Treatment of cardiogenic shock

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination – DEC 2017

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify Anticholinergics. Describe the therapeutic uses and adverse effects of Atropine. (4+3+3)
2. Describe mechanism of action of Benzodiazepines as sedative and hypnotic and discuss its adverse effects and uses. (3+3+4)

SHORT ESSAYS

10 x 5 = 50 Marks

3. Clinical significance of Plasma Protein binding
4. Drug Synergism
5. Uses and adverse effects of Calcium Channel Blockers
6. Clonidine
7. Nasal decongestants
8. Mechanism of action and adverse effects of Organic Nitrates
9. Uses and adverse effects of Thrombolytics
10. Potassium Sparing Diuretics
11. Advantages and disadvantages of Nitrous Oxide Anaesthesia
12. Mechanism of action and adverse effects of Lignocaine

SHORT ANSWERS

10 x 3 = 30 Marks

13. Placebo
14. Disadvantages of Fixed Dose combinations
15. Mechanism of action of Pralidoxime
16. Naloxone
17. Uses of Valproic Acid
18. Advantages of Selective Serotonin Reuptake Inhibitors
19. Mention Parenteral Iron preparations.
20. Baclofen
21. Plasma half life
22. Bile Acid Binding Resins

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - JULY-2018

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify drugs used for Hyperlipidemia based on mechanism of action. Describe the advantages and disadvantages of each group.
2. Classify Adrenergic Blockers. Mention the advantages of Cardio Selective Beta Blockers over Non Selective Beta Blockers.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Low molecular weight Heparins
4. Classify Skeletal Muscle relaxants and mention their clinical uses.
5. Halothane
6. What is Drug interaction? Give examples.
7. Treatment of Glaucoma
8. Pharmacovigilance
9. Inotropic agents
10. Techniques used in the administration of Local Anaesthetics
11. Drug synergism
12. Treatment of Chronic Alcoholism

SHORT ANSWERS

10 x 3 = 30 Marks

13. Give two examples of Atypical Antipsychotics and mention two advantages of them.
14. Valproate drug interactions
15. Write briefly on Nasal Decongestants.
16. Mention two drugs used for Acute attack of Classical Angina. Describe their mode of administration.
17. Give examples for Vasodilators used in the treatment of Congestive Cardiac Failure and why they are used.
18. Mechanism of action of Antidotes used in case of overdose of Warfarin
19. Why most of the Statins are administered at bedtime?
20. What is a Prodrug? Give four examples for Prodrugs.
21. Explain Edrophonium Test.
22. Give three examples of Drugs given per-rectally and its advantage.

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY -Paper -I (RS2 & RS3 SCHEME)

QP Code: 1085

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify antihypertensives. Explain the pharmacological actions, adverse effects and uses of angiotensin converting enzyme (ACE) inhibitors.
2. Define bioavailability. Describe the various factors affecting drug bioavailability with examples.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Low molecular weight heparins
4. Uses of osmotic diuretics
5. Atropine substitutes as mydriatics
6. Uses of adrenaline
7. Benzodiazepines
8. Pure opioid antagonists
9. Uses of anticholinesterases
10. Preanaesthetic medication
11. Cardioselective beta blockers
12. Uses and adverse effects of sodium valproate

SHORT ANSWERS

10 x 3 = 30 Marks

13. Drug therapy in paracetamol poisoning
14. Define tachyphylaxis with examples
15. Why beta-blockers are combined with long acting nitrates in angina?
16. Rationale of using Digoxin in congestive heart failure
17. Indications of parenteral iron
18. Rationale of using low dose aspirin in patients with myocardial infarction
19. Name three centrally acting skeletal muscle relaxants
20. Rationale of using selegiline in parkinsonism
21. Treatment of status epilepticus
22. Potassium channel openers

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - JULY-2019

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify Anti-Parkinsonism Drugs. Describe Pharmacological effects and adverse effects of Levodopa. (5+3+2)
2. Classify Antihypertensive Drugs. Describe uses and adverse effects of Angiotensin Converting Enzyme Inhibitors. (4+3+3)

SHORT ESSAYS

10 x 5 = 50 Marks

3. First Pass Metabolism
4. Intrathecal route of drug administration
5. Uses of β -blockers
6. Therapeutic uses of Cholinergic drugs
7. Mechanism of action and adverse effects of Aspirin
8. Fentanyl
9. Lamotrigine
10. Adverse effects and uses of Chlorpromazine
11. Osmotic Diuretics
12. Low Molecular Weight Heparins

SHORT ANSWERS

10 x 3 = 30 Marks

13. Therapeutic Index
14. Drug Intolerance
15. Oxybutynin
16. Clopidogrel
17. Dantrolene
18. Three adverse effects of Clonidine
19. Oxethazaine
20. Three uses and three adverse effects of Atropine
21. Pharmacological basis in combining Dihydropyridines with β -blockers in the treatment of Angina Pectoris
22. Zopiclone

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination – 27-Nov-2020

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY – PAPER I (RS3)

Q.P. CODE: 1085

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify antianginal drugs. Discuss the mechanism of action, uses and adverse effects of Nitrates.
2. Classify antiepileptic drugs. Discuss the adverse effects and therapeutic uses of Phenytoin.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Levodopa
4. ACE inhibitors
5. Morphine
6. Thiopentone sodium
7. Management of organophosphate (OP) poisoning
8. Enumerate Statins. Write about mechanism of action and indication of Statins.
9. α blockers
10. Pharmacogenetics
11. Potassium sparing diuretics
12. Parenteral Iron preparation

SHORT ANSWERS

10 x 3 = 30 Marks

13. Nasal decongestants
14. Sublingual route
15. Mention four sedative hypnotics.
16. Plasma expanders
17. Uses of Diazepam
18. Pharmacotherapy of glaucoma
19. Tachyphylaxis
20. Mention four adverse effects of Amiodarone.
21. What is transdermal therapeutic system? Mention two drugs given by this route.
22. Drugs used in cardiogenic shock

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY - PAPER – I (RS3)

QP Code: 1085

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify antihypertensive drugs. Explain the pharmacological actions and therapeutic uses of angiotensin converting enzyme inhibitors.
2. Classify antidepressants. Explain the therapeutic uses and adverse effects of tricyclic antidepressants.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Plasma protein binding
4. Preanaesthetic medication
5. Plasma expanders
6. Uses, adverse effects and contraindications of morphine
7. Uses of atropine substitutes
8. Levodopa
9. Organophosphorus poisoning
10. Antiplatelet agents
11. Receptor antagonism
12. Mechanism of action and adverse effects of thiazide diuretics

10 x 3 = 30 Marks

SHORT ANSWERS

13. Direct thrombin inhibitors
14. Statins
15. Uses of neostigmine
16. Rationale for use of lignocaine in ventricular arrhythmia
17. Non –benzodiazepine hypnotics
18. Uses of vasopressin analogs
19. Drugs used in acute congestive glaucoma
20. Mechanism of action of nitrates in angina pectoris
21. Adverse effects of phenytoin
22. Complications of spinal anesthesia