

1061

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2008

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme)**QP Code: 1061**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY**2 X 9 = 18 Marks**

1. Describe the spectrum of activity, adverse effects and therapeutic uses of Fluoroquinolones
2. Classify insulin preparations. Describe the mechanism of action and adverse effects of insulin

SHORT ESSAY**10 X 5 = 50 Marks**

3. Proton pump inhibitors
4. Adverse effects of prolonged glucocorticoid therapy
5. Mast cell stabilizers
6. Lepra reaction
7. Mechanism of resistance to antibiotics
8. Doxycycline
9. Therapeutic uses of chloroquine
10. Advantages of Azithromycin over other macrolides
11. Uses of H₁ antihistaminics
12. Merits and demerits of radioactive iodine in therapy of hyperthyroidism

SHORT ANSWERS**16 X 2 = 32 Marks**

13. Explain mechanism of action of L-asparaginase with one indication for its use
14. Dangers expected in offspring if tetracyclines are given during pregnancy
15. Mechanism of action of aminophylline in bronchial asthma
16. What is a "minipill"?
17. Rationale for giving vit B-6 with isonicotinic acid hydrazide (INH) in tuberculosis
18. Name any two chelating agents giving one indication of each
19. Tinidazole
20. Hyaluronidase
21. Calcitonin
22. Treatment of round worm infestation
23. Clomiphene citrate
24. Name two immunosuppressants giving one indication of each
25. Pharyngeal demulcents
26. Name two commonly used tocolytic agents giving two adverse effects of any one
27. Rationale for use of gold salts in rheumatoid arthritis
28. Uses of Bromocriptine

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1060

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2008

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme)**QP Code: 1060**

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

LONG ESSAY**2 X 9 = 18 Marks**

1. Describe the drug treatment of Glaucoma giving pharmacological rationale for each drug
2. Classify diuretics giving suitable examples from each class. Enumerate therapeutic uses of Thiazide diuretics. What are the complications of diuretic therapy?

SHORT ESSAY**10 X 5 = 50 Marks**

3. Factors modifying drug action
4. Dissociative anaesthesia
5. Mechanism of anticoagulant action and uses of warfarin sodium
6. Centrally acting skeletal muscle relaxants
7. Sodium valproate
8. Merits and demerits of using adrenaline along with local anaesthetic
9. Mechanism of action of Digoxin in congestive cardiac failure
10. Atypical antipsychotics
11. Four indications for parenteral iron therapy
12. Simvastatin

SHORT ANSWERS**16 X 2 = 32 Marks**

13. Rationale for use of angiotensin converting enzyme (ACE) inhibitors in hypertension
14. What is prodrug? Give two examples
15. Uses of selective beta 2 agonists
16. Rationale for preferring diazepam over phenobarbitone as sedative
17. Drug induced Parkinsonism
18. Rationale for use of Dopamine in cardiogenic shock
19. Four adverse effects of phenothiazines
20. Rationale for use of heparin in deep vein thrombosis
21. What is succinylcholine apnoea?
22. Nimodipine is used in subarachnoid haemorrhage
23. Four salient features of clonidine
24. Rationale for avoiding morphine in head injury
25. What is zero order kinetics? Give two examples
26. Mechanism of action of Cholinesterase reactivators
27. Four salient features of Lignocaine
28. What is Gene therapy?

1008

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2008

Time: 3 Hours

[Max. Marks: 90]

PHARMACOLOGY (Old Scheme)**QP Code: 1008**

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

LONG ESSAY**2 X 10 = 20 Marks**

1. Classify calcium channel blockers. Mention their mechanism of action. Describe the cardiac actions and uses of Verapamil
2. Classify the drugs used in peptic ulcer. Mention the mechanisms of action of the various groups of drugs. Write down the anti Helicobacter pylori regimens

SHORT ESSAY**10 X 5 = 50 Marks**

3. Drug Tolerance
4. Therapeutic uses of Adrenocorticosteroids
5. Management of organo phosphorus compound poisoning
6. Radio active Iodine (Iodine₁₃₁)
7. Pre-anaesthetic medication
8. Frusemide
9. Selective beta 2 agonists in the treatment of bronchial asthma
10. Actions and uses of ondansetron
11. Rifampicin
12. Antibacterial spectrum and uses of Quinolones

SHORT ANSWERS**10 X 2 = 20 Marks**

13. Naloxone preferred over Nalorphine in morphine poisoning
14. Synergistic combination of Amoxycillin with clavulanic acid
15. Contraindication of warfarin in pregnancy
16. Parenteral cyanocobalamin in pernicious anaemia
17. Role of Barbiturates in kernicterus
18. Atropine contraindicated in Elderly male
19. Phenoxybenzamine is used in patients with pheochromocytoma preoperatively
20. Define pharmacogenetics and give two examples
21. Ethyl alcohol in methyl alcohol poisoning
22. Estrogens combined with progesterone as oral contraceptive

11A

1085_2008_1_S42

Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE - II Degree Examination - January 2008

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 β -blockers. Describe their adverse effects and endocrine uses. Explain the pharmacological basis for their use in hypertension and heart failure
2. Describe the factors modifying drug dose and effects

SHORT ESSAY**10 X 5 = 50 Marks**

3. Plasma substitutes in shock
4. Drug treatment of absence seizures
5. Various dosage forms and routes of administration of nitrates
6. Parenteral iron therapy
7. Depolarizing neuromuscular blocking agents
8. Angiotensin receptor blockers
9. Dopamine agonists in parkinsonism
10. Drugs used for prophylaxis of migraine
11. I.V. anaesthetics for induction of anaesthesia
12. Disulfiram in chronic alcoholism

SHORT ANSWERS**10 X 3 = 30 Marks**

13. Amlodipine
14. Diazepam
15. Gemfibrozil
16. Fluoxetine
17. Scopolamine
18. Tramadol
19. Antidotes to anticoagulants
20. Centrally acting antihypertensives
21. Spironolactone
22. Enzyme induction

(14) B

1086_2008_1_S42

Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE - II Degree Examination - January 2008

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme II)**QP Code: 1086**

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

LONG ESSAY**2 X 10 = 20 Marks**

1. Classify cephalosporins. Describe the antibacterial spectrum, therapeutic uses and adverse effects of third generation cephalosporins
2. Describe the various types of hormonal oral contraceptives available for use. Describe the mechanism of action, adverse effects and contraindications of the combined pill

SHORT ESSAY**10 X 5 = 50 Marks**

3. Drugs in filariasis
- Metocloperamide
5. Multi-drug therapy regimen in leprosy
6. Second generation sulphonylureas
7. Treatment of acute attack of gout
8. Long acting β_2 -agonists in asthma
9. Indications for prostaglandins
10. Azole antifungal agents
11. Topical glucocorticoids
12. Proton pump inhibitors

SHORT ANSWERS**10 X 3 = 30 Marks**

13. Co-trimoxazole
14. Fexofenadine
15. Folic acid
16. Azithromycin
17. British Anti-Lewisite (BAL)
18. Imipenem
19. Oxytocin
20. Methotrexate
21. Cyclosporine
22. Diloxanide furoate

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June/July 2009

19

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 Antidepressant drugs. Adverse effects of Imipramine. Note on newer antidepressants
2. Explain the Pharmacotherapy of Heart failure

SHORT ESSAY

10 X 5 = 50 Marks

3. Plasma Expanders
4. Drugs used for Hypertensive Emergencies
5. Acute Morphine poisoning and contraindications for Morphine usage
6. Advantages and disadvantages of Intravenous drug administration
7. Name four ACE inhibitors. Mention Uses and important side effects
8. Treatment of Microcytic Hypochromic Anaemia
9. Fibrinolytics and their uses
10. Explain briefly the uses of Nitrates
11. Bioavailability
12. Uses of Beta Adrenergic Blockers

SHORT ANSWERS

10 X 3 = 30 Marks

3. Drug Antagonism
14. Nicorandil
15. Two contraindications for Atropine and explain the rationale for the same
16. Name two non - depolarizing muscle relaxants and their uses
17. Naloxone
18. Lorazepam
19. Biotransformation
20. Rationale of prophylactic Aspirin use in myocardial Infarction
21. Adverse effects of Loop Diuretics
22. Mention the antidotes for the following
 - a) Diazepam
 - b) Paracetamol
 - c) Heparin

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June/July 2009

20

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme)

QP Code: 1060

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 9 = 18 Marks

1. Describe the mechanism of action, therapeutic uses and adverse effects of Benzodiazepines
2. Classify drugs used in Hypertension. Describe the mechanism of action and adverse effects of angiotensin converting enzyme (ACE) inhibitors

SHORT ESSAY

10 X 5 = 50 Marks

3. Drug therapy of status Epilepticus
4. Therapeutic uses of Aspirin
5. Enzyme induction
6. Therapeutic uses of alpha blockers
7. Mechanism of action of chlorpromazine
8. Parenteral iron preparations
9. Advantages of selective serotonin reuptake inhibitors
10. Compare and contrast succinylcholine and d-tubocurarine
11. Treatment of Organophosphorus compound poisoning
12. Mechanism of action of Potassium sparing diuretics

SHORT ANSWERS

16 X 2 = 32 Marks

13. Name four nasal decongestants
14. Four new drug delivery systems
15. Four therapeutic uses of Adrenaline
16. What is "Post marketing surveillance"?
17. List two uses of mannitol
18. Rationale for use of Dopamine in cardiogenic shock
19. Adverse effects of organic nitrates
20. What is Tachyphylaxis? Give two examples
21. Antidote for warfarin sodium overdose
22. Four factors affecting iron absorption
23. Two difference between hydrochlorothiazide and Amiloride
24. List two selective cox 2 inhibitors
25. Name two fibrinolytic agents and their uses
26. Iatrogenic disease
27. Rationale for use of digoxin in atrial fibrillation
28. Two advantages of low molecular weight heparins

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June/July 2009

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme)

QP Code: 1061

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 9 = 18 Marks

1. Classify Cephalosporins. Discuss the adverse effects and therapeutic uses of third generation Cephalosporins
2. Discuss the mechanism of action, pharmacological actions and adverse effects of combined oral contraceptive pills

SHORT ESSAY

10 X 5 = 50 Marks

3. Merits and demerits of emollient laxatives
4. Sildenafil
5. Methotrexate
6. Extended spectrum penicillins
7. Allopurinol
8. Therapeutic uses of H₁ receptor antagonists
9. Treatment of ketoacidotic diabetic coma
10. Treatment of urinary tract infection
11. Griseofulvin
12. Carbimazole

SHORT ANSWERS

16 X 2 = 32 Marks

13. Pharmacological basis for use of diethyl carbamazine in filariasis
14. Chlorhexidine
15. Pharmacological basis for use of clomiphene in infertility
16. Uses of vitamin K
17. Cyclosporine
18. Rationale for Trimethoprim – sulfonamide combination in therapy
19. What are mucolytic agents? Give two examples
20. Rationale for use of Salbutamol in Bronchial asthma
21. Rationale for use of Ranitidine in peptic ulcer
22. Rationale for use of Ergometrine in post partum haemorrhage
23. Treatment of trichomonal vaginitis
24. Somatostatin
25. Interferons
26. Rationale for loading dose of Chloroquine in acute attack of malaria
27. Name 2 macrolide antibiotics
28. Anti oxidants

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination – June/July 2009

21

Time: 3 Hours

[Max. Marks: 90]

PHARMACOLOGY (Old Scheme)

QP Code: 1008

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

LONG ESSAY

2 X 10 = 20 Marks

1. Classify analgesics. Describe their mechanism of action. Write briefly the pharmacological actions adverse effects and uses of Aspirin
2. List the drugs used in diabetes mellitus in a classified manner. Describe the advantages of newer insulins over the conventional preparations. Explain in detail the pharmacological actions of the oral hypoglycemic drugs

SHORT ESSAY

10 X 5 = 50 Marks

3. Management of hypertensive emergencies
4. Anabolic steroids
5. Drug antagonism
6. Therapeutic uses of reversible anticholinesterases
7. Thiopentone sodium
8. Compare and contrast heparin and dicumarol
9. Antitussives
10. Antacids in peptic ulcer
11. Actions and uses of Non-sedating antihistamines
12. Actions and uses of Chloroquine

SHORT ANSWERS

10 X 2 = 20 Marks

13. Role of verapamil in paroxysmal supra ventricular tachycardia
14. Role of Ergometrine in postpartum haemorrhage
15. Beta Blockers are used with caution in patients with Type I diabetes mellitus
16. Ondansetron in chemotherapy induced emesis
17. Glycopyrrolate is preferred over atropine in Pre-Anaesthetic medication
18. Why carbidopa is combined with levodopa in Parkinsonism
19. Synergistic combination of Sulphamethoxazole with Trimethoprim
20. Why folic acid is combined with vitamin B₁₂ in the treatment of Megaloblastic anaemia
21. Therapeutic uses of digoxin
22. Disulfiram is used in Alcohol addiction

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - December 2009

22

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme)

QP Code: 1061

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

LONG ESSAY

2 X 9 = 18 Marks

1. Classify oral hypoglycemic drugs. Discuss briefly the mechanism of action, side effects and uses of Glibenclamide
2. Enumerate Quinolones. Describe briefly the mechanism of action, adverse effects and uses of Ciprofloxacin

SHORT ESSAY

10 X 5 = 50 Marks

3. Octreotide
4. Adverse effects oral contraceptives
5. Therapeutic uses of corticosteroids
6. Clarithromycin
7. Zidovudine
8. Merits & demerits of Radioactive Iodine (I_{131})
9. Dapsone
10. Amphotericin B
11. Methotrexate
12. III generation cephalosporins

SHORT ANSWERS

16 X 2 = 32 Marks

13. Two adverse effects of Insulin
14. Write the composition of whitfield ointment
15. Name two anabolic steroids
16. Mention two uses of Bromocriptine
17. Specify two adverse effects of Omeprazole
18. Mention two uses of Acyclovir
19. Mention two side effects of Metoclopramide
20. Four adverse effects of Rifampicin
21. Mention two drugs used in lepra reaction
22. Specify two uses of B.C.G vaccination
23. Mention two uses of Interferons
24. Specify two side effects of Corticosteroids
25. Name two antimicrobial agents producing anaphylaxis
26. Mention two adverse effects of Ampicillin
27. Name two antiviral drugs used in influenza
28. Specify two drugs used in scabies infection

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - December 2009

23

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 Anticholinergics. Describe the therapeutic uses, adverse effects, and mechanism of action of atropine
2. Classify Anti anginal drugs. Describe the mechanism of actions of Nitrates, Betablockers and Calcium Channel Blockers in Different Types of Angina. Add a note on treatment of Prinzmetal angina

SHORT ESSAY

10 X 5 = 50 Marks

3. Parenteral Routes of administration of drugs
4. Biotransformation
5. Halothane versus Nitrous oxide
6. Neuroleptanalgesia
7. Therapeutic effects of Diphenyl hydantoin
8. Drug Dependence
9. Treatment for Hypercholesterolaemia
10. Oral anticoagulants
11. Osmotic diuretics
12. Calcium Channel Blockers

SHORT ANSWERS

10 X 3 = 30 Marks

13. Plasma half-life
14. Prodrug
15. Pilocarpine in Glaucoma
16. Oximes in Organophosphorous Poisoning
17. Digitalis in congestive Heart Failure
18. Uses of Diazepam
19. Beta blockers in hypertension
20. Treatment of schizophrenia
21. Lignocaine
22. Pre anaesthetic Medication

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - December 2009

(24)

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme)

QP Code: 1060

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

LONG ESSAY

2 X 9 = 18 Marks

1. Classify Antianginal drugs. Discuss in detail the mechanism of action, adverse effects and uses of Nifedipine
2. Classify Antiepileptic drugs. Write in detail the mechanism of action, drug interaction and adverse effects of Phenytoin

SHORT ESSAY

10 X 5 = 50 Marks

3. Adverse effects of Chlorpromazine
4. Advantages and disadvantages of nitrous oxide
5. Nonsynthetic reactions
6. Mechanism of action and uses of heparin
7. Therapeutic uses of Diazepam
8. Management of Myasthenia Gravis
9. Frusemide
10. Therapeutic uses of ACE inhibitors
11. Mechanism of action and side effects of clozapine
12. Pharmacological actions of Digoxin

SHORT ANSWERS

16 X 2 = 32 Marks

13. Mention 2 uses of dopamine
14. Indicate 2 uses for sodium valproate
15. Specify two side effects of Pilocarpine
16. Name two drugs producing hepatotoxicity
17. Mention two contra indication for morphine
18. Name two drugs producing parkinsonism
19. Define Pharmacodynamics
20. Specify two drugs indicated for endogenous depression
21. Mention 2 examples for prodrug
22. Indicate the two uses of Ethyl alcohol
23. Define Tachyphylaxis and give two examples
24. Name two drugs excreted through faeces
25. Explain briefly the Enterohepatic circulation with a suitable example
26. Give two examples for antiplatelet drugs
27. ~~Mention the antidote for paracetamol poisoning – explain its rationale~~
28. Specify two drugs used in wide angle Glaucoma

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - December 2009

25

Time: 3 Hours

[Max. Marks: 90]

PHARMACOLOGY (Old Scheme)

QP Code: 1008

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

LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate the important cardiac glycosides. Describe the mechanism of action, pharmacological actions, adverse effects and therapeutic uses of digoxin
2. List both the clinical and chemical classification of drugs used in the treatment of malaria. Mention the mechanism of action, adverse effects and uses of chloroquine. State briefly the management of Chloroquine resistant P. Falciparum malaria

SHORT ESSAY

10 X 5 = 50 Marks

3. Contraindications for steroids
4. Management of morphine poisoning
5. Tachyphylaxis
6. Ten uses of aspirin
7. Advantages and disadvantages of the general anaesthetic halothane
8. Acyclovir
9. Actions and uses of Theophylline
10. Preparations of Insulins
11. Dimercaprol (British Anti Lewisite)
12. Actions and uses of Methotrexate

SHORT ANSWERS

10 X 2 = 20 Marks

13. Adrenaline along with Lignocaine for infiltration anaesthesia
14. Anticholinergics and not levodopa in drug induced parkinsonism
15. Reason for combining penicillin along with probenecid
16. Low dose heparin therapy is preferred
17. Name two drugs used in petit mal epilepsy
18. Ciprofloxacin is not prescribed in pregnancy
19. Therapeutic uses of vitamin D
20. Sudden withdrawal of propranolol after prolonged use
21. Name two fibrinolytic agents and their uses
22. Role of tamsulosin in patients with benign hypertrophy of prostate

Rajiv Gandhi University of Health Sciences

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

26

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme II)

QP Code: 1086

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

LONG ESSAY

2 X 10 = 20 Marks

1. Classify aminoglycosides. Describe their shared properties, spectrum, adverse effects and indications. Add a note on 'Streptomycin'
2. Classify glucocorticoids according to their duration of action. Describe their adverse effects and indications

SHORT ESSAY

10 X 5 = 50 Marks

3. Directly Observed Treatment, short course chemotherapy (DOTS) under Revised National TB Control Programme
4. Nucleoside reverse transcriptase inhibitors
5. 5HT antagonists in therapy
6. Role of vitamins in treatment of diseases
7. H₂ antagonists
8. Role of Vinca alkaloids and taxanes in cancer
9. Newer insulins
10. Second-generation fluoroquinolones
11. Drugs in motion sickness
12. Beta lactamase inhibitors

SHORT ANSWERS

10 X 3 = 30 Marks

13. Niclosamide
14. Adverse effects of tetracyclines
15. Mesalamine
16. Radioactive Iodine - 131 (RI 131)
17. Desferrioxamine
18. Serratiopeptidase
19. Domperidone
20. Colchicine
21. Mucolytics
22. Clomiphene citrate

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Rajiv Gandhi University of Health Sciences

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

27

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme)

QP Code: 1061

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

LONG ESSAY

2 X 9 = 18 Marks

1. Classify oral contraceptives. Discuss briefly the pharmacological action, adverse effects and uses of oral contraceptives
2. Enumerate macrolide antibiotics. Describe the mechanism of action, adverse effects and its uses

SHORT ESSAY

10 X 5 = 50 Marks

3. Adverse effects and uses of Glibenclamide
4. Therapeutic uses of Aminoglycoside antibiotics
5. British anti lewisite
6. Mechanism of action of Rifampin and its uses
7. Composition of oral rehydration solution and its uses
8. Non systemic antacids
9. Cyclophosphamide
10. Side effects of doxycycline
11. Pharmacological actions of Glucocorticoids
12. Metoclopramide

SHORT ANSWERS

16 X 2 = 32 Marks

13. Mention the drugs producing discolouration of urine
14. Specify two effects of Aldosterone
15. Name 2 anthelmintic agents
16. Mention two indications for dapsone
17. Name two drugs producing hypersensitivity reaction
18. Explain briefly the lepra reaction
19. Mention two antimicrobial agents producing antabuse like reaction
20. Specify two side effects of Chloramphenicol
21. Name two III generation cephalosporins
22. What is Mifepristone? What are its uses
23. Name two beta lactamase inhibitors
24. Specify two side effects of Ciprofloxacin
25. Explain briefly Jarisch - Herxheimer reaction with a suitable example
26. Two side effects of Zidovudine
27. Mention two drugs used in acne vulgaris

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 - June/July 2009

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 Antidepressant drugs. Adverse effects of Imipramine. Note on newer antidepressants
2. Explain the Pharmacotherapy of Heart failure

SHORT ESSAY

10 X 5 = 50 Marks

1. Plasma Expanders
4. Drugs used for Hypertensive Emergencies
5. Acute Morphine poisoning and contraindications for Morphine usage
6. Advantages and disadvantages of Intravenous drug administration
7. Name four ACE inhibitors. Mention Uses and important side effects
8. Treatment of Microcytic Hypochromic Anaemia
9. Fibrinolytics and their uses
10. Explain briefly the uses of Nitrates
11. Bioavailability
12. Uses of Beta Adrenergic Blockers

SHORT ANSWERS

10 X 3 = 30 Marks

1. Drug Antagonism
14. Nicorandil
15. Two contraindications for Atropine and explain the rationale for the same
16. Name two non - depolarizing muscle relaxants and their uses
17. Naloxone
18. Lorazepam
19. Biotransformation
20. Rationale of prophylactic Aspirin use in myocardial Infarction
21. Adverse effects of Loop Diuretics
22. Mention the antidotes for the following
 - a) Diazepam
 - b) Paracetamol
 - c) Heparin

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June/July 2009

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme)

QP Code: 1060

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 9 = 18 Marks

1. Describe the mechanism of action, therapeutic uses and adverse effects of Benzodiazepines
2. Classify drugs used in Hypertension. Describe the mechanism of action and adverse effects of angiotensin converting enzyme (ACE) inhibitors

SHORT ESSAY

10 X 5 = 50 Marks

3. Drug therapy of status Epilepticus
4. Therapeutic uses of Aspirin
5. Enzyme induction
6. Therapeutic uses of alpha blockers
7. Mechanism of action of chlorpromazine
8. Parenteral iron preparations
9. Advantages of selective serotonin reuptake inhibitors
10. Compare and contrast succinylcholine and d-tubocurarine
11. Treatment of Organophosphorus compound poisoning
12. Mechanism of action of Potassium sparing diuretics

SHORT ANSWERS

16 X 2 = 32 Marks

13. Name four nasal decongestants
14. Four new drug delivery systems
15. Four therapeutic uses of Adrenaline
16. What is "Post marketing surveillance"?
17. List two uses of mannitol
18. Rationale for use of Dopamine in cardiogenic shock
19. Adverse effects of organic nitrates
20. What is Tachyphylaxis? Give two examples
21. Antidote for warfarin sodium overdosage
22. Four factors affecting iron absorption
23. Two difference between hydrochlorothiazide and Amiloride
24. List two selective cox 2 inhibitors
25. Name two fibrinolytic agents and their uses
26. Iatrogenic disease
27. Rationale for use of digoxin in atrial fibrillation
28. Two advantages of low molecular weight heparins

Rajiv Gandhi University of Health Sciences

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

29

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme)

QP Code: 1060

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 9 = 18 Marks

1. Define "Bioavailability" of a drug. Describe the various factors affecting bioavailability of a drug giving suitable examples
2. Classify anticholinesterases. Discuss the mechanism of action and therapeutic uses of reversible anticholinesterases

SHORT ESSAY

10 X 5 = 50 Marks

3. Premedication in Anaesthesia
4. Therapeutic uses of beta blockers
5. Low molecular weight heparins
6. Ketamine
7. Digitalis toxicity and its treatment
8. Therapy of status Epilepticus
9. Properties of an ideal plasma expander
10. Complications of diuretic therapy
11. Antiplatelet agents
12. Merits and demerits of oral route of drug administration

SHORT ANSWERS

16 X 2 = 32 Marks

13. Rationale for preferring diazepam over phenobarbitone as a sedative
14. Rationale for use of morphine in acute left ventricular failure
15. What are atropine substitutes? Name two atropine substitutes used in eye
16. Uses of placebo
17. Rationale for use of dopamine in cardiogenic shock
18. Rationale for use of timolol in glaucoma
19. Why is adrenaline combined with local anaesthetics?
20. Drug of choice and its route of administration in pernicious anaemia
21. What are orphan drugs? Give two examples
22. Drug interaction between warfarin and Aspirin
23. What is sequential blockade? Give two examples
24. Two adverse effects of calcium channel blockers
25. Rationale for use of disulfiram in chronic alcoholism
26. Mechanism of action of nitrates in angina pectoris
27. Why is atenolol preferred to propranolol in clinical practice?

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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

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Rajiv Gandhi University of Health Sciences

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

30 A

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme II)

QP Code: 1086

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

LONG ESSAY

Side

2 X 10 = 20 Marks

1. Classify anti tubercular drugs. Explain the mechanism of action, effects and uses of Rifampicin
2. Classify oral anti diabetics. Write the Mechanism of action and adverse effects of any two of them. Add a note on preparations of insulin

SHORT ESSAY

10 X 5 = 50 Marks

3. Uses of corticosteroids
4. Therapeutic uses of penicillin
5. Bronchodilators.
6. Drugs for superficial fungal infections
7. Anti thyroid agents *Anti Thyroid agents*
8. Classify anti malarial drugs.
9. Prokinetic drugs
10. Drugs in Rheumatoid Arthritis
11. Oral Contraceptive pills
12. Doxycycline

SHORT ANSWERS

10 X 3 = 30 Marks

13. Clomiphene Citrate *clomiphene citrate*
14. Proton Pump Inhibitors
15. Metronidazole
16. Radioactive Iodine I_{131}
17. Urinary antiseptics
18. Broad Spectrum Antihelminthic drugs
19. Cytotoxic drugs
20. Anaphylaxis
21. Third generation cephalosporins
22. Prolactin

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

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme)

QP Code: 1061

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

LONG ESSAY

2 X 9 = 18 Marks

1. Classify antimalarial drugs. Describe pharmacological actions, adverse effects and therapeutic uses of chloroquine
2. Classify oral antidiabetic agents. Describe the mechanism of action and adverse effects of Sulfonylureas

SHORT ESSAY

10 X 5 = 50 Marks

3. Dosage forms for anti-asthma drugs
4. Compare and contrast Penicillins and cephalosporins
5. Newer antihistaminics
6. Adverse effects of oral contraceptive pills
7. Therapeutic uses of glucocorticoids
8. Treatment of multibacillary leprosy
9. Alkylating agents
10. Omeprazole
11. Norfloxacin
12. Therapeutic uses of prostaglandins

SHORT ANSWERS

16 X 2 = 32 Marks

13. Four adverse effects of aminoglycosides
14. Mention four tocolytics
15. Treatment of iron poisoning
16. Why is Albendazole preferred over mebendazole?
17. What is lipodystrophy seen with insulin therapy? How will you minimize it?
18. What are prokinetic agents? Give two examples
19. Why are antacids not given along with sucralfate in peptic ulcer?
20. What is Thiamine? Where is it used?
21. Mechanism of action of disodium chromoglycate
22. Streptodornase
23. What is Probenicid? Where is it used?
24. Four uses of Ciprofloxacin
25. Rationale for use of penicillamine in rheumatoid arthritis
26. What are anabolic steroids? Give two examples
27. Ondansetron
28. Name two saline purgatives. Give two indications

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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

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Rajiv Gandhi University of Health Sciences

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

31

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme II)**QP Code: 1086**

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

LONG ESSAY**2 X 10 = 20 Marks**

1. Classify anti thyroid drugs. Explain the pharmacology of radioactive iodine
2. Enumerate macrolides. Discuss the actions, uses & side effects of Erythromycin

SHORT ESSAY**10 X 5 = 50 Marks**

3. Drug therapy of peptic ulcer
4. Artemisinin derivatives & their uses
5. Compare and contrast oxytocin and methylergometrin
6. Anti tussives
7. Urinary antiseptics
8. Metronidazole
9. Thiazolidinediones
10. Drug resistance
11. Contrimaxazole
12. Prokinetics

SHORT ANSWERS**10 X 3 = 30 Marks**

13. Clomiphene citrate
14. Adverse effects of aminoglycosides
15. Rationale of combining probencid with penicillin
16. Gonadotrophin releasing hormone analogues
17. Uses of D - penicillamine
18. Cyanocobalamin
19. Mesna
20. Ivermectin
21. Oseltamivir
22. Bisphosphonates & their uses

Rajiv Gandhi University of Health Sciences

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

34

Time: 3 Hours

[Max. Marks: 90]

PHARMACOLOGY (Old Scheme)

QP Code: 1008

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

LONG ESSAY

2 X 10 = 20 Marks

1. Classify anti tuberculous drugs. Describe in detail the mechanism of action, dose and adverse effects of Isonicotinic acid hydrazide. Add a note on various regimes used in the management of pulmonary tuberculosis
2. Enumerate angiotension converting enzyme inhibitors. Describe the mechanism of action, adverse effects, dose and therapeutic uses of enalapril

SHORT ESSAY

10 X 5 = 50 Marks

3. Pharmacogenetics
4. Management of organophosphorus compound poisoning
5. Adverse effects of oral contraceptives
6. Mechanism of action and uses of lignocaine
7. Antiplatelet agents
8. Carbamazepine
9. Advantages of transdermal and cutaneous applications of Nitroglycerine
10. Action and uses of succinylcholine
11. Actions and uses of Albendazole
12. Parenteral iron preparations

SHORT ANSWERS

10 X 2 = 20 Marks

13. Contraindications of oral steroids in peptic ulcer
14. Neostigmine preferred to physostigmine in myasthenia gravis
15. Role of selective beta two stimulants in premature labour
16. Tetracyclines are not prescribed in pregnancy
17. Amoxicillin is preferred to ampicillin – Explain
18. Treatment of methyl alcohol poisoning – Explain
19. Role of Tamsulosin in patients with benign hypertrophy of prostate
20. Indications for Cotrimoxazole
21. Propranolol and propyl thiouracil in the management of thyroid storm
22. Clomiphene citrate used in infertility

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

35

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme II)

QP Code: 1086

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

LONG ESSAY

2 X 10 = 20 Marks

1. Classify anti tubercular drugs. Discuss in detail the mechanism of action, side effects & uses of isoniazid
2. Classify insulin preparations. What are the pharmacological actions, side effects of insulin

SHORT ESSAY

10 X 5 = 50 Marks

3. Selective oestrogen receptor modulators
4. Discuss the uses of glucocorticoids
5. Discuss the drug treatment of bronchial asthma
6. Cyclosporine
7. Mebendazole
8. Side effects of oral contraceptive agents
9. Gonadotropins & their diagnostic uses
10. Proton pump inhibitors
11. Treatment of Gouty arthritis
12. Vinka alkaloids

SHORT ANSWERS

10 X 3 = 30 Marks

13. Monobactam action & uses
14. Acarbose
15. Vit. D
16. Amantadine
17. Name protease inhibitors
18. Natural & synthetic androgens
19. Ribavirin
20. Drug treatment of scabies
21. Radical cure of vivax malaria
22. Uses of diethylcarbamazine citrate

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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
2. 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

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Rajiv Gandhi University of Health Sciences

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

Time: 3 Hours

[Max. Marks: 90]

PHARMACOLOGY (Old Scheme)

QP Code: 1008

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

37

LONG ESSAY

2 X 10 = 20 Marks

1. Classify sympathomimetic drugs. Write the pharmacological actions and therapeutic uses of adrenaline
2. Classify non-steroidal anti-inflammatory drugs. Write the pharmacological actions. Adverse effects and therapeutic uses of aspirin

SHORT ESSAY

10 X 5 = 50 Marks

3. Define bioavailability mention factors affecting it
4. Peripherally acting Neuromuscular blockers
5. Lidocaine
6. Diazepam
7. Angiotensin converting enzyme (ACE) inhibitors
8. Fibrinolytics (Thrombolytics)
9. Insulin preparations
10. Prokinetic agents
11. Fluoroquinolones
12. Chloroquine

SHORT ANSWERS

10 X 2 = 20 Marks

13. Name 4 classes of drugs used in asthma
14. List 4 uses of prostaglandins
15. List 2 indications and 2 contraindications for morphine
16. Name 2 drugs used in hypertensive emergencies
17. List 2 uses and 2 adverse effects of thiazide diuretics
18. Name 2 oral and 2 parenteral iron preparations
19. Glucocorticoids should be used cautiously in presence of infections – give reason
20. List 2 advantages and 2 disadvantages of radioactive iodine
21. Tetracyclines are not used in young children – give reason
22. Name 4 drugs effective in enteric fever

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)

QP Code: 1060

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

38

LONG ESSAY

2 X 9 = 18 Marks

1. Enumerate various routes of drug administration with suitable examples. Mention the advantages and disadvantages of oral route
2. Classify anti cholinergics. Describe mechanism of action, therapeutic uses, adverse effects of atropine

SHORT ESSAY

10 X 5 = 50 Marks

3. Organo phosphorous poisoning
4. Therapeutic uses of Beta Blockers
5. Dissociative anaesthesia
6. Sodium valproate
7. Therapeutic uses and contraindications of morphine
8. Therapeutic uses of potassium sparing diuretics
9. Classification of antianginal drugs
10. Drugs used in deep vein thrombosis
11. Pre anaesthetic medications
12. Therapeutic uses of diazepam

SHORT ANSWERS

16 X 2 = 32 Marks

13. Pre - systemic elimination
14. Rationale for preferring diazepam over pheno barbitone as a sedative
15. Treatment of drug - induced - parkinsonism
16. Four drugs in Glaucoma
17. Adrenaline combination with local anaesthetics
18. Two uses and two adverse effects of Nifedipine
19. Nitrates in angina (Mechanism of action)
20. Lithium in Bipolar illness (Mechanism of action)
21. Phenothiazines in schizophrenia (Mechanism of action)
22. Why furosemide and amiloride are combined
23. Captopril in hypertension. (Mechanism of action)
24. Amiodarone as an anti arrhythmic agent
25. Mention 2 drugs used in alzheimers disease
26. Therapeutic index
27. ~~Anaphylactic shock~~
28. Mechanism of action of digoxin

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

Time: 3 Hrs.

[Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme II)

39

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

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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 II (Revised Scheme II)

QP Code: 1086

40

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

LONG ESSAY

2 X 10 = 20 Marks

1. Classify Beta lactam antibiotics. Explain the pharmacology of second generation cephalosporins. Write a note on Aztreonam.
2. Classify corticosteroids. Explain the mechanism of action. Adverse effects and contraindications of Corticosteroids. Write a note on methods to overcome the HPA Suppression.

SHORT ESSAY

10 X 5 = 50 Marks

3. Treatment of GERD
4. Uterine Stimulants
5. 5-HT antagonists
6. Methotrexate
7. Penicillamine
8. Drugs for Acne Vulgaris
9. Oral contraceptive pills
10. Metronidazole
11. Drugs in Typhoid
12. INH

SHORT ANSWERS

10 X 3 = 30 Marks

13. Drug treatment of Pseudomembranous Colitis
14. Incretin analogues
15. Nevirapine
16. Linezolid
17. Calcipotriol
18. Drugs used in motion sickness
19. Levamisole
20. Oxidizing agents
21. III generation Fluoroquinolones
22. Clofazamine

Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – Dec 2012

41

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

Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – Dec 2012

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY -Paper -II (RS2 & RS3 SCHEME)

QP Code: 1086

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify cephalosporins. Describe the mechanism of action, spectrum, adverse effects and indications.
2. Classify oral antidiabetic agents. Write the mechanism of action and adverse effects of any THREE of them. Add a note on management of diabetic ketoacidosis.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Ampicillin
4. Rifampicin
5. Azole antifungal agents
6. Protease inhibitors
7. Chloroquine
8. Natural products used in cancer
9. Therapeutic uses of glucocorticoids
10. Vitamin D
11. Osmotic purgatives
12. Anti-H.pylori agents

SHORT ANSWERS

10 x 3 = 30 Marks

13. Methotrexate
14. Second-generation H₁-antihistamines
15. Indomethacin
16. Mast cell stabilizers
17. Desferrioxamine
18. Immunosuppressants
19. Uricosuric agents
20. Tocolytics
21. L-Asparaginase
22. Clomiphene citrate

Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – June 2013

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY -Paper -II

(RS2 & RS3 SCHEME)

QP Code: 1086

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify penicillins. Explain the mechanism of action, uses and adverse effects of penicillin G.
2. Classify oral antidiabetic drugs. Explain the mechanism of action, uses and adverse effects of sulfonylureas.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Protease inhibitors
4. Azole antifungal agents
5. Cotrimoxazole
6. Write briefly on bacterial resistance
7. Adverse effect of long term therapy with glucocorticoids
8. Pharmacological actions uses and adverse effects of H₁ blockers
9. Proton pump inhibitors
10. Vitamin D
11. Calcineurin inhibitors
12. Disease modifying antirheumatoid drugs

SHORT ANSWERS

10 x 3 = 30 Marks

13. Diethylcarbamazine
14. Thalidomide
15. Treatment of typhoid carriers
16. Selective estrogen receptor modulators
17. Latanoprost
18. Metoclopramide
19. L-asparaginase
20. Probenecid
21. Tocolytics
22. d-penicillamine

Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – June 2013

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 -II
(RS2 & RS3 SCHEME)****QP Code: 1086**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS**2 x 10 = 20 Marks**

1. Classify cephalosporins. Describe their mechanism of action, spectrum, adverse effects and indications.
2. Classify thyroid inhibitors. Explain the mechanism of action, uses and adverse effects of propylthiouracil.

SHORT ESSAYS**10 x 5 = 50 Marks**

3. Nucleoside reverse transcriptase inhibitors
4. Amphotericin B
5. Prophylactic use of antimicrobials
6. Ciprofloxacin
7. Oral contraceptives
8. H₂ receptor blockers
9. Bisphosphonates
10. Insulin secretagogues
11. Ecobolics
12. Cotrimoxazole

SHORT ANSWERS**10 x 3 = 30 Marks**

13. Contraindications for glucocorticoid therapy
14. Albendazole
15. Explain why tetracyclines are contraindicated in children and pregnancy
16. Dimercaprol
17. Ondansetron
18. Treatment of lepra reaction
19. Letrozole
20. Shared toxicities of aminoglycoside antibiotics
21. Metoclopramide
22. Antitussives

Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – Dec 2013

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.

Time: Three Hours

Max. Marks: 100 Marks

**PHARMACOLOGY – PAPER-I
(REVISED SCHEME)**

QP Code: 1060

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS

2 x 9 = 18 Marks

1. Classify local anesthetics. Explain the mechanism of action, uses and adverse effects of lignocaine. Add a note on preanesthetic medication.
2. Define bioavailability. Explain the factors affecting bioavailability of a drug.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Potassium sparing diuretics
4. Calcium channel blockers
5. Drug therapy of status epilepticus
6. Dextran
7. Antiplatelet drugs
8. Neostigmine
9. Oral anticoagulants
10. Uses and adverse effects of propranolol
11. Lithium carbonate
12. Opioid antagonists.

SHORT ANSWERS

16 x 2 = 32 Marks

13. Iatrogenic disease
14. Mention four differences between atropine and scopolamine
15. Name four α blockers
16. Succinylcholine apnoea
17. Explain the mechanism of action of levodopa in Parkinsonism
18. Rationale for the use of adrenaline in anaphylactic shock
19. Name two drugs used in glaucoma with their mechanism of action
20. Adenosine
21. Rationale for the use of disulfiram in chronic alcoholism
22. Mechanism of action of nitrates in angina pectoris
23. Rationale for preferring diazepam over phenobarbitone
24. Mention two uses and two adverse effects of Angiotensin converting enzyme(ACE) inhibitors
25. Digoxin toxicity
26. Treatment of diabetes insipidus
27. Tachyphylaxis
28. Name two hypolipidemic drugs. Mention two adverse effects of any one

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY – PAPER-II (REVISED SCHEME)

QP Code: 1061

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS

2 x 9 = 18 Marks

1. Classify glucocorticoids based on duration of action. Explain the therapeutic uses and adverse effects of them.
2. Classify fluoroquinolones. Explain their mechanism of action, adverse effects and uses.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Adverse effects of insulin
4. Nucleoside Reverse Transcriptase Inhibitors (NRTI's)
5. Treatment of chloroquine resistant malaria
6. Short course chemotherapy in tuberculosis
7. Drugs reducing gastric acid secretion in peptic ulcer
8. Drug treatment of status asthmaticus
9. Ondansetron
10. Sodium cromoglycate
11. Vinca alkaloids
12. Drug resistance

SHORT ANSWERS

16 x 2 = 32 Marks

13. Rationale of using Isoxsuprine in premature labour.
14. Uses of vitamin D
15. Emergency contraception
16. Name two 5 α -reductase inhibitors and list their use
17. ORS solution
18. Stimulant purgatives
19. Rationale for use of methylergometrine in PPH
20. Drugs used in prophylaxis of migraine
21. Properties of an ideal antiseptic
22. Name two drugs used in acute gout and chronic gout
23. Rationale of using prostaglandin analogues in peptic ulcer
24. Uses of bromocriptine
25. Uses of radioactive iodine
26. Drugs used in amebiasis
27. Why tetracycline is contraindicated in children?
28. Name two drugs used in Herpes simplex and mention their common adverse effects.