

PHARMACOLOGY– PAPER I

Q.P Code : RS-111

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

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Explain ten factors modifying drug effects with examples.
2. Classify neuromuscular blocking agents? What are the pharmacological actions of competitive neuromuscular blocker and what are their therapeutic uses?
3. Define and classify diuretic agents? What is the mechanism of action and therapeutic uses of loop diuretics?.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Mention the differences between tachyphylaxis and tolerance.
5. Treatment of succinyl choline apnoea.
6. Treatment of manic episodes of bipolar disorder.
7. Describe the clinically significant interaction of warfarin sodium.
8. Describe the treatment of hypovolemic shock. Explain why dopamine is preferred.
9. What is hyperbaric lignocaine and how it is prepared? Mention its uses.
10. Describe the treatment of drug induced parkinson's disease?
11. Enumerate the drugs useful in the treatment of paroxysmal supraventricular tachycardia?
Mention the mechanism of action and limitations of each drug.
12. Describe the differences between strepto kinase and tenetaplace.
13. Describe the treatment of acute iron poisoning.
14. Enumerate anxiolytic agents? Mention their mechanism of action.
15. Describe the role of fomepizole in treatment of methanol poisoning.

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Name drugs used by nasal route for systemic effect.
17. Explain why sudden withdrawal of certain drugs is avoided? Give two examples.
18. Mention the conditions where atropine is used as an antidote.
19. Nitrates and sildenafil are not administered concurrently why?
20. Name three beta blockers useful for the treatment of congestive cardiac failure.
21. Explain why captopril but not the enalapril is useful for emergency control of hypertension.
22. Name two most important uses acetazolamide currently.
23. Name three fibrinolytic agents.
24. Explain why thiopentone sodium has ultra short action.
25. Mention the peculiarity of midazolam and its clinical uses.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-2017

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY– PAPER II

Q.P Code : RS-112

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Classify drugs used in treatment of bronchial asthma? Describe the mechanism of action and role of leukotriene inhibitors in bronchial asthma? Write a note on status asthmaticus.
2. Classify beta lactam antibacterial agents. Give examples of extended spectrum penicillins and their clinical uses and adverse effects.
3. Classify antithyroid drugs. What is the mechanism of action, therapeutic uses and adverse effects of propylthiouracil.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. What is yuzpee method of contraception and describe briefly.
5. Describe insulin analogues (designer insulin's). what are the examples and advantages of insulin glargine.
6. Name three uterine relaxants from different groups and mention the advantages and disadvantages of each agent.
7. Define keratolytic agent. Give examples of keratolytic agents and their indication.
8. What is the mechanism of action of pencillamine. What are the therapeutic uses and adverse effects of pencillamine.
9. What is the mechanism of action of Ivermectin. Describe its clinical uses.
10. Highly active antiretroviral therapy.
11. What is sequential blockade? What are the therapeutic uses of sulfonamide.
12. What is Jarish-Herxheimer reaction and how it is managed.
13. Urinary antiseptics.
14. Bisphosphonates .
15. Carbapenams.

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Name two antifolates used for malaria. Mention the clinical status of each.
17. Name the fluoroquinolones indicated for resistance cases for pulmonary tuberculosis.
18. Name two corticosteroids which are prodrugs. Name two drugs used for postpartum haemorrhage.
19. Name two antiemetic drugs with prokinetic action. Mention one clinically relevant differences between them.
20. Name two topically used antihistamines for allergic conjunctivitis.
21. Name two drugs used as sunscreen.
22. Name five groups of drugs which are highly teratogenic.
23. Name two inert gases used clinically. Describe briefly two clinical uses of each.
24. Name two drugs which should not be mixed with normal saline.
25. Post prandial regulators.

* * *

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-2017

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY– PAPER I

Q.P Code : SDUU-111

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Describe various factors modifying drug action in the body.
2. Briefly describe the management of a patient suffering from myocardial infarction.

SHORT ESSAY

10 X 5 = 50 Marks

3. Uses of potassium sparing diuretics.
4. Methadone is used in opioid dependence. Explain?
5. Drug interactions with oral anticoagulants.
6. Management of status epilepticus.
7. Uses of anticholinesterase agents.
8. Management of digoxin toxicity.
9. Adverse effects of phenytoin sodium.
10. Management of chronic simple glaucoma.
11. Non –cardiovascular uses of beta blockers.
12. Nasal decongestants.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Explain the basis for short duration of action of I.V. Thiopentone sodium.
14. Merits and demerits of inhalational route of administration of drugs.
15. Management of Organophosphorus poisoning.
16. Adverse effects and absolute contra indications of Angiotensin converting enzyme inhibitors.
17. Rationale for combining ezitimibe with atorvastatin.
18. Propranalol should not be uses alone in pheochromocytoma.
19. Side effects of adenosine.
20. Imipramine used in nocturnal enuresis.
21. Explain succinyl choline apnea.
22. Action of amiadarone on the heart.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-2017

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY-PAPER-II

Q.P Code : SDUU-112

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate semi-synthetic penicillins. Explain mode of action, therapeutic uses and adverse effects of penicillin-G.
2. Management of diabetic ketoacidosis.

SHORT ESSAY

10 X 5 = 50 Marks

3. Uses and adverse effects of metronidazole.
4. Selective estrogen receptor modulators.
5. Methotrexate.
6. Triple drug therapy in peptic ulcer.
7. Disease modifying anti rheumatoids drugs.
8. Amelioration of four toxicities of anti-cancer drugs.
9. Anti tussives.
10. Drug therapy of acute gout.
11. Three agents used for passive immunization and indication of each agent.
12. Three triptans and their role in therapeutics.

SHORT ANSWERS

10 X 3 = 30 Marks

13. What is sequential blockade. Explain with example.
14. Explain two methods of hormonal contraception.
15. Mention four drugs used in candidiasis.
16. Enlist four therapeutic uses of promethazine.
17. Mention two adverse effects and two uses of omeprazole.
18. Glucocorticoids should not be stopped abruptly after long term use.
19. Enumerate two immunosuppressants. Explain the mode of action of any one..
20. Mention two uses and two adverse effects of D-Penicillamine.
21. Enlist four therapeutic uses of rifampicine.
22. Explain drug preferred for constipation during pregnancy and for a patient who has to undergo radiography.