

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

(A DEEMED TO BE UNIVERSITY)

**M.B.B.S. PHASE - II Degree Examination – January-2013**

**Time : 3 Hrs.**

**[Max. Marks : 100]**

**PHARMACOLOGY– PAPER I**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Classify Cholinomimetic drugs. Write briefly on Pharmacological actions of acetylcholine.
2. Classify drugs used in the treatment of Parkinsonism. Briefly write about mechanism of action and adverse effects of levodopa.

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Pro drugs used in therapeutics
4. Dissociative anaesthesia
5. Lithium salts
6. Dantrolene sodium
7. Therapeutic uses of vasodilators
8. Oral anti coagulant drugs and their uses
9. Indications and complications of blood transfusion
10. Drug abuse
11. Placental barrier
12. Verapamil v/s nifedipine

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. Therapeutic uses of acetazolamide
14. Orphan drugs
15. Name  $\alpha$ ,  $\alpha_2$  and  $\beta$ , receptors agonist and antagonists
16. Name six drugs that can cause hypertension
17. Name three sclerosing agents
18. Therapeutic uses of folic acid
19. Succinyl choline apnoea
20. Treatment of methyl alcohol poisoning
21. Flumazenil
22. Disadvantages of self medication

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**PHARMACOLOGY– PAPER II**

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**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Enlist  $\beta$  lactam antibiotics. Write the mechanism of action, adverse effects and uses of Amoxicillin.
2. Classify Gluco corticoids. Describe the mechanism of action, adverse effects and uses of glucocorticoids.

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Doxycycline.
4. Clofazimine.
5. Mefloquine.
6. Dapsone.
7. Drugs effective against H. Pylori.
8. Treatment of Urinary tract infections.
9. Dinaprostone.
10. Anti progestins.
11. Anti thyroid drugs.
12. Drugs used in prophylaxis of migraine.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. Ranitidine is preferred to Cimetidine in clinical practice. Give reasons.
14. Mention four tocolytics.
15. List three classes of Purgatives.
16. Granisetron. Mechanism of action and its one use.
17. Dimercaprol (British Anti lewisite).
18. Enlist three inhaled steroids used in Bronchial asthma.
19. Drugs for chronic gout.
20. Mention oxidizing agents.
21. Anti oxidants.
22. Tacrolimus.

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**PHARMACOLOGY– PAPER I**

**Q.P Code : 111 - SDUU**

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**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Classify anti depressant drugs. Write the mechanism of action, therapeutic uses and adverse effects of Imipramine.
2. Mention the drugs used in congestive heart failure. Write the mechanism of action, therapeutic uses and adverse effects of Digoxin.

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Uses and adverse effects of calcium channel blockers
4. Treatment of hypovolemic shock.
5. Mention semi synthetic derivatives of atropine.
6. Pancuronium.
7. Nasal decongestants.
8. Uses and adverse effects of alfa blockers.
9. Ketamine.
10. Loop diuretics.
11. Selective COX2 Inhibitors (analgesics)
12. Drug antagonism.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. Prodrug.
14. Mention two advantages and Disadvantages of subcutaneous route of drug administration.
15. Mention four drugs effective in absence seizures.
16. Treatment of morphine poisoning
17. Mention four uses of organic nitrates.
18. Idiosyncrasy.
19. Advantages of low molecular weight heparins.
20. Mention two Potassium channel openers and uses.
21. Therapeutic uses of Lignocaine.
22. Treatment of pernicious anemia.

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**PHARMACOLOGY– PAPER II**

**Q.P Code : 112 - SDUU**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Classify Penicillin group of antibiotics. Write mechanism of action, adverse effects and uses of aminopenicillins.
2. Classify oral hypoglycemic drugs. Write the mode of action, and adverse effects of sulphonyl ureas.

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Clarithromycin.
4. Oxytocin.
5. Anti motility drugs.
6. Gastric prokinetic drugs.
7. Primaquine.
8. Ketoconazole.
9. Indications and adverse effects of oral contraceptive pills.
10. Rifampicin.
11. Uses and adverse effects of anabolic steroids.
12. Ovulation inducing agents.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. Name three drugs used in tapeworm infestation.
14. Name two newer insulins and their advantages.
15. Name two enzymes used in therapy with their indication.
16. Name three drugs that can be used in lepra reaction.
17. Name two selective estrogen receptor modulators and their indications.
18. Drugs used in acute severe asthma.
19. Name two anti fungal drugs with their indications
20. Rationale of combining amoxicillin with clavulanic acid.
21. Mucolytics.
22. Colchicine.