

Q.P.Code :

Reg.No:.....

Second Professional MBBS Degree Examinations September 2021
Pharmacology –Paper I (General pharmacology, ANS, CNS, CVS, Blood, Diuretics, Autacoids, Respiratory system).

(Model Question Paper)

Time : 3 Hours

Maximum Marks : 100

Answer all Questions
Draw diagrams wherever necessary

Essays:

(2 x15 = 30 Marks)

1. Enumerate Anti Hypertensive drugs. Describe the Mechanism of Action, Uses and Adverse effects of Lisinopril. Discuss in detail about Vasodilators and Use of Anti Hypertensive drugs in Pregnancy. (4+5+6=15)
2. Sruti, 49 Years was admitted to the hospital with Signs & Symptoms of Rigidity, Tremor and reduced mobility. The Diagnosis was Parkinsonism.
 - Name Three different groups of drugs used for this patient and Describe the Mechanism of Action and two Adverse Effects of each group.
 - Mention Three advantages of using Peripheral Decarboxylase Inhibitors.
 - Name Two drugs causing Parkinsonism and discuss the Treatment of Drug induced Parkinsonism.
 - Describe the Treatment of Drug Dependence and Methyl Alcohol Poisoning. (4 +3+ 2 +6 =15)

Short notes:

(5x8=40 Marks)

3. Describe the Mechanism of Receptor mediated drug action. Discuss the factors modifying Bioavailability and the clinical significance. (4+4marks)
4. Discuss the Treatment of Morphine poisoning and Organophosphorous Poisoning with rationale. (4+4marks)
5. Discuss the pharmacological management of Acute Bronchial asthma. Discuss the treatment of Glaucoma (5+3marks)
6. Describe the Uses and Adverse effects of Beta blockers. Discuss the mechanism of Action and Uses of Skeletal muscle Relaxants (5+3marks)
7. Compare and contrast Heparin and Warfarin. Discuss the clinical uses of Anticoagulants. (4+4marks)

Short answers :

(5x4=20 Marks)

8. Pharmacological basis of drugs used in Migraine.
9. Treatment of Anaphylaxis.
10. Pharmacological management of Myasthenia gravis.
11. Pharmacological basis of drugs used in cardiac failure.
12. Therapeutic uses of Aspirin.

Choose the Appropriate drug and Justify : (2x1=2Marks)

13. Diphenhydramine / Loratadine for Rhinitis in a Driver.

14. Atropine / Phenyl ephrine for Fundoscopy in elderly person.

Name the following (Two examples for each): (8x1=8 Marks)

15. Drugs used in Grandmal epilepsy.

16. Fibrinolytic drugs.

17. Potassium sparing Diuretics.

18. Drugs used for pre Anaesthetic Medication.

19. Drugs used for Anxiety.

20. Anti depressants.

21. Alpha blockers.

22. 5HT antagonists.

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Second Professional MBBS Degree Examinations September 2021
Pharmacology–Paper II (GIT, Hormones, Antibiotics, Chemotherapy & Miscellaneous)
(Model Question Paper)

Time : 3 Hours

Maximum Marks : 100

*Answer all Questions
Draw diagrams wherever necessary*

Essays: (2 x15 = 30 Marks)

1. Enumerate AntiCancer drugs. Describe the mechanism of Action, Uses and Adverse effects of Methotrexate. Discuss the rationale of using Glucocorticoids in Malignancy and the mechanism of Action of drugs used to reduce the toxicity of Anticancer drugs. (5+4+6=15)
2. Rini, 39 Years was admitted to the hospital with signs & symptoms of Fatigue, Thirst, Polyuria. The Blood sugar was 250mg. The diagnosis was Type II Diabetes mellitus.
 - Name Three different groups of drugs used for this patient and Describe the Mechanism of Action and Two Adverse Effects of each group.
 - Describe the Treatment of Diabetic Ketoacidosis.
 - Describe the Causes and Management of Insulin Resistance.
 - Discuss the advantages and Uses of Insulin analogues. (5+3 +4+3 =15)

Short notes: (5x8=40 Marks)

3. Describe the Rational use of Antibiotics. Discuss the mechanisms of Antibiotic Resistance and its management. (5+3marks)
4. Describe the mechanism of Action, Uses and Adverse effects of Rifampicin. Discuss the pharmacological management of MDR Tuberculosis. (5+3marks)
5. Describe the mechanism of Action, Uses and Adverse effects of Zidovudine. Discuss the Action and Uses of Immunosuppressant drugs. (5+3marks)
6. Discuss the pharmacological management of Helicobacter Pylori infection. Describe the mechanism of Action, Uses and Adverse effects of Lansoprazole(3+5marks)
7. Discuss the pharmacological management of Hypertriglyceridemia. Describe the mechanism of Action, Uses and Adverse effects of Atorvastatin. (3+5marks)

Short answers :

(5x4=20 Marks)

8. Pharmacological basis of drugs used in Leprosy.
9. Uses of Selective Estrogen Receptor Modulators.
10. Pharmacological basis of drugs used in Malaria.
11. Uses of Antiandrogens.
12. Adverse effects of Glucocorticoids.

Choose the Appropriate drug and Justify :

(2x1=2 Marks)

13. Oxytocin / Ergometrine for Post Partum Haemorrhage.

14. Ciprofloxacin / Ceftriaxone for Typhoid fever in Pregnancy.

Name the following (Two examples for each):

(8x1=8 Marks)

15. Drugs used in Filariasis.

16. Broad spectrum antibiotics.

17. Non Systemic Antacids.

18. Drugs used for Iron poisoning.

19. Drugs used for MRSA.

20. Antithyroid drugs.

21. Drugs used in Amoebiasis.

22. Uterine relaxants.