

EXAM QUESTIONS – PHARMACOLOGY and TOXICOLOGY I

1. Origin of Drugs
2. Introduction of New Drugs – Preclinical and Clinical Drug Trials
3. Routes of Drug Administration
4. Drug Doses and Dosage Regimens
5. Dose–Response Relationships, Therapeutic Window, and Therapeutic Index
6. Pharmacodynamic Parameters of Drugs (Potency, Maximum Efficacy, Slope of the Dose–Response Curve)
7. Biological Variations – Factors Affecting Drug Dosage
8. Drug Absorption (Resorption)
9. Drug Distribution
10. Drug Biotransformation (Metabolism)
11. Drug Excretion
12. Bioavailability and Bioequivalence of Drugs
13. Mechanism of Drug Action
14. Synergism and Types of Synergism
15. Antagonism and Types of Antagonism
16. Adverse and Toxic Effects of Drugs
17. Pharmacovigilance
18. Pharmacology of the Central Nervous System (Neurotransmitters, Centrally Acting Drugs)
19. General Anesthesia
20. Inhalation Anesthetics
21. Injectable Anesthetics
22. Sedatives, Hypnotics, and Neuroleptics
23. Drugs Used in the Treatment of Behavioral Disorders in Animals
24. Anticonvulsant Drugs
25. Opioid Analgesics
26. Analgesic-Antipyretics (NSAIDs)
27. CNS Stimulants (Cortical and Medullary)
28. Local Anesthetics and Local Anesthesia
29. Muscle Relaxants and Ganglion Blockers (Classification and Basic Characteristics)
30. Cholinomimetics and Cholinolytics
31. Adrenomimetics and Adrenolytics
32. Histamine and Antihistamines
33. Cardiotonic Glycosides and Other Cardiac Stimulants
34. Antiarrhythmic Drugs
35. Vasodilators
36. Anticoagulant Drugs
37. Hemostatics
38. Antianemic Drugs
39. Agents for Replacement of Lost Fluids or Blood
40. Antiplatelet Drugs
41. Fibrinolytics and Antifibrinolytics
42. Diuretics

43. Antidiuretic Drugs
44. Expectorants and Mucolytics (Mucokinetics)
45. Respiratory Stimulants
46. Antitussives
47. Bronchodilators (Classification and Basic Characteristics)
48. Emetics (Classification and Basic Characteristics)
49. Antiemetics (Classification and Basic Characteristics)
50. Antiulcer Drugs
51. Digestive Agents and Prokinetics
52. Laxatives
53. Antidiarrheal Drugs
54. Drugs Acting on the Liver
55. Pharmacology of the Forestomachs of Ruminants
56. Hypothalamic and Pituitary Hormones
57. Hormones of the Thyroid, Parathyroid Glands, and Thymus
58. Adrenal Gland Hormones
59. Sexual Steroid Hormones
60. Prostaglandins, Uterotonics, Uterolytics, and Tocolytics
61. Insulin and Oral Antidiabetic Drugs
62. Adsorbent Agents
63. Astringents, Keratolytics, Caustics, and Phlogistic Agents

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