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School of Medical and Allied Sciences

Diploma in Pharmacy

Semester End Examination - May 2024

Duration : 180 Minutes

Max Marks : 80

Year II - ER2021T - Pharmacology*General Instructions**Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Explain the mechanisms of action and therapeutic uses of peripheral muscle relaxants. K1 (1)
- 2) Define the functions of the autonomic nervous system in regulating physiological processes. K1 (1)
- 3) What is the mechanism of action and clinical applications of cholinergic drugs. K1 (1)
- 4) How pharmacodynamics and its importance in understanding drug effects. K1 (1)
- 5) Explain the process of absorption of drugs in the body. K1 (1)
- 6) Tell the use of Beta blockers. K1 (1)
- 7) Define Glaucoma. K1 (1)
- 8) Define General Anaesthetics. K1 (1)
- 9) Define Hypertension. K1 (1)
- 10) Contrast between sympathetic and parasympathetic systems. K1 (1)
- 11) What factors can influence the distribution of drugs within the body? K1 (1)
- 12) Explain the difference between analgesics and anti-inflammatory drugs. K1 (1)
- 13) What are the different between adverse effect and side effect. K1 (1)
- 14) Recall sedatives K1 (1)
- 15) Tell about drugs used in Glaucom. K1 (1)
- 16) What are the Neuromuscular blockin agents. K1 (1)
- 17) Define factors affecting drug absorption. K1 (1)
- 18) Recall Hypnotics. K1 (1)
- 19) Explain the pharmacological treatment options for lipid disorders, including lipid-lowering agents. K1 (1)
- 20) List the pharmacological effects of vasodilators in heart failure treatment. K1 (1)

- 21) Identify the pharmacological treatment of mood disorders using monoamine oxidase inhibitors and tricyclic antidepressants. K2 (3)
- 22) Identify the pharmacological management of Parkinson's disease using dopaminergic drugs. K2 (3)
- 23) Analyze the primary mechanism of action of tricyclic antidepressants? K2 (3)
- 24) Identify the therapeutic uses and potential side effects of anticholinergic drugs. K2 (3)
- 25) Identify the use of nitrates, beta-blockers, and calcium channel blockers in the management of ischemic heart disease. K2 (3)
- 26) Identify the pharmacological treatment of heart failure, including digitalis, diuretics, and vasodilators. K2 (3)
- 27) Simplify the mechanisms of action and therapeutic uses of non-narcotic analgesics and NSAIDs. K2 (3)
- 28) Compare and contrast the mechanisms of action of skeletal muscle relaxants and antiepileptic drugs. K2 (3)
- 29) Distinguish the pharmacological management of arthritic diseases. K2 (3)
- 30) Organize the mechanism of action of anti-hypertensive drugs. K3 (3)

OR

Define various type of route of drug administration. K3 (3)

- 31) Compare "geriatric population" in the context of pharmacology. K3 (5)
- 32) Explain the pharmacological treatment of obstructive airway diseases, such as asthma and chronic obstructive pulmonary disease (COPD). K3 (5)
- 33) Decide the factors which can modify an individual's response to a drug? K3 (5)
- 34) Decide factors which can modify an individual's response to a drug? K3 (5)
- 35) Choose and explain about a sedative-hypnotic drug belonging to the benzodiazepine class. K4 (5)
- 36) Explain the risk of postural hypotension in the elderly and the pharmacological strategies for prevention. K4 (5)

OR

Design the pharmacological management of central nervous system disorders, focusing on drugs used in the treatment of mood disorders, anxiety disorders, and movement disorders. K4 (5)