



BRAINWARE UNIVERSITY

Term End Examination 2023
Programme – D.Pharm-2021
Course Name – Pharmacology & Toxicology
Course Code - 2.3T
(Year II)

Library
Pharmaceutical Technology
Brainware University
06/25

Full Marks : 80

Time : 3:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) Select the correct answer for the following: Ototoxicity caused by loop diuretics is
- | | |
|--------------------|-----------------|
| a) Torsemide | b) Polythiazide |
| c) Ethacrynic acid | d) Furosemide |
- (ii) Select the correct option for: One of the methods to measure changes in the levels of consciousness during anesthesia is _____
- | | |
|------------------------------|----------------------------|
| a) Auditory Evoked Potential | b) Visual Evoked Potential |
| c) Tactile Evoked Potential | d) Speech Evoked Potential |
- (iii) Choose the correct answer: Drugs used anaphylaxis is
- | | |
|-------------------|-------------------|
| a) Norepinephrine | b) Epinephrine |
| c) Dopamine | d) Antihistaminic |
- (iv) Select the correct option for: Name of a drug accepted by a scientific body USAN (united state adopted names) council is
- | | |
|-----------------|------------------|
| a) Generic name | b) Chemical name |
| c) Brand name | d) None of these |
- (v) Select the correct answer for the following: Bioavailability is usually the least by the following route of administration
- | | |
|--------------------|------------------|
| a) Intramuscularly | b) Intravenously |
| c) Rectal | d) Orally |
- (vi) Choose the correct answer: Bromocryptine is used in
- | | |
|---------------------|-----------------------------|
| a) Hyperthyroidism | b) Parkinsonism |
| c) Cushing syndrome | d) Stein leventhal syndrome |
- (vii) Select the correct option for: Pharmacogenetics deals with
- | | |
|--|---|
| a) Clinically significant genetically mediated variations in drug response | b) Harmful effects on foetus |
| c) Drug induced genetic defect | d) Development of drugs by DNA recombinant technology |

- (viii) Select the correct option for: Protein binding of a drug helps in
 a) Distribution
 b) Prolonging half life
 c) Limiting metabolism
 d) All of these
- (ix) Identify the correct option: All of following are examples of prodrugs except
 a) Levodopa
 b) Enalapril
 c) Omeprazole
 d) Indomethacin
- (x) Identify the correct option: Ketamine is used as an anaesthetic agent in
 a) Hyperactive airways
 b) Intracranial hemorrhage
 c) Ischemic heart disease
 d) Glucoma
- (xi) Choose the correct answer: Antitussives act by
 a) Reducing cough inducing impulses from the lungs
 b) Raising the threshold of cough centre
 c) Both (a) and (b)
 d) Liquifying bronchial secretions
- (xii) Choose the correct answer: Crystal urea is the condition when
 a) Urea crystallizes in the kidney
 b) Sulphonamides crystallizes in kidney
 c) Urea co-crystallizes with sulphonamides
 d) Urea binds with sulphonamide crystals
- (xiii) Identify the correct option: Clofazimine is useful in the treatment of
 a) Leprosy
 b) Tuberculosis
 c) Candidiasis
 d) Giardiasis
- (xiv) Select the correct answer for the following: Captopril inhibits the enzyme
 a) Acetyl cholinesterase
 b) ACE
 c) Tyrosine - 3 - monooxygenase
 d) Carbomic anhydrase
- (xv) Select the correct answer for the following: Which of the following drugs is both a muscarinic and nicotinic blocker?
 a) Atropine
 b) Bantzropine
 c) Hyxamithonium
 d) Succinylcholine
- (xvi) Select the correct option for: Name of a drug accepted by a scientific body USAN (united state adopted names) council is
 a) Generic name
 b) Chemical name
 c) Brand name
 d) None of the these
- (xvii) Select the correct answer for the following: Paracetamol is an analgesic and
 a) Antipyretic, anti inflammatory
 b) Anti inflammatory
 c) Antipyretic
 d) Antitussive
- (xviii) Select the correct option for: Which of the following NSAIDs has greater inhibitory selectivity for COX-1 than COX-2?
 a) Flurbiprofen
 b) Indomethacin
 c) Diclofenac
 d) Celecoxib
- (xix) Choose the correct answer: Chlopropamide increases
 a) Glycogenolysis
 b) Peripheral utilization of glucose
 c) Insulin secretion
 d) Thyroxine secretion
- (xx) Choose the correct answer: Drug of choice in acute attack of migraine is
 a) Methysergide
 b) Ergoamine artrate
 c) Serotonin
 d) Nicotine

Group-B

(Short Answer Type Questions)

5 x 8=40

2. Define the term Pharmacokinetics & Pharmacodynamics. (5)
3. Define and classify cardiovascular agents. (5)
4. Discuss about the oral hypoglycemic agent. (5)
5. Explain about the properties of an ideal antacid. (5)
6. Write a note on atherosclerosis. (5)

7. Define and classify anti-anginal agents. (5)
8. Explain about the prostaglandin. (5)
- OR
- Explain about the carminative. (5)
9. Explain about the peptic ulcer. (5)
- OR
- Explain about the antitussive agents. (5)

Group-C
(Long Answer Type Questions)

10 x 2=20

10. Describe the pharmacological actions of Morphine. (10)
11. Explain about the calcium channel blocker and beta blocker. (10)
- OR
- Illustrate about the neurones blockers and ganglion blockers. (10)

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