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## BRAINWARE UNIVERSITY

Term End Examination 2023  
Programme – B.Sc.(OTT)-2022  
Course Name – Clinical Pharmacology  
Course Code - BOTTC204  
( Semester II )

Full Marks : 60

Time : 2:30 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 15=15

1. Choose the correct alternative from the following :

- (i) Identify the vaccine is given to adolescent girls in India to protect them from cervical cancer?
- a) MMR vaccine  
b) Varicella vaccine  
c) HPV vaccine  
d) Rotavirus vaccine
- (ii) Levadopa is preferred instead of Dopamine in Parkinsonism can be described due to
- a) Dopamine induces acute psychosis  
b) Dopamine is heavily metabolised in human  
c) Dopamine does not cross blood brain barrier  
d) All of these
- (iii) Select the therapeutic use of carvediol
- a) Hypertension  
b) Arterio fibrillation  
c) Type 2 diabetes  
d) COPD
- (iv) Select the drug used in essential hypertension
- a) Amlodipine  
b) Alpha Methyl Dopa  
c) GTN  
d) Sacubtril
- (v) State the adverse effects of local anesthetics
- a) CNS excitation  
b) Cardiovascular toxicity  
c) Hypotension  
d) All of the these
- (vi) Identify the local anesthetic
- a) Bupivacaine  
b) Propofol  
c) Midazolam  
d) Thiopental
- (vii) Adverse effects associate with Propylthiouracil
- a) Sepsis  
b) Hypoglycemia  
c) Aplastic Anemia  
d) Arrhythmia

- (viii) Identify the Vaccines given at birth
- a) BCG  
c) Measles
- b) Rotavirus  
d) IPV
- (ix) Identify, drugs which are used to prevent or relieve nausea and vomiting
- a) Emetics  
c) Anti anxiety
- b) Antiemetics  
d) Steroids
- (x) Identify the anticoagulant drug?
- a) Warfarin  
c) albuterol
- b) digoxin  
d) piperillin
- (xi) Identify the common side effect of opioid analgesics?
- a) Dryness of mouth  
c) Hypertension
- b) Diarrhea  
d) Tachycardia
- (xii) Select which route of drug administration is most likely to lead to the first-pass effect?
- a) Sublingual  
c) intravenous
- b) oral  
d) intramuscular
- (xiii) Identify the drug commonly used to treat migraines?
- a) Furosemide  
c) Sumatriptan
- b) Atenolol  
d) Amitryptilline
- (xiv) Select the Pottasium sparing diuretic
- a) Spironolactone  
c) Torsemide
- b) Furosemide  
d) Metolazone
- (xv) Identify the following side effects commonly associated with the use of nonsteroidal anti-inflammatory drugs (NSAIDs)?
- a) Bradycardia  
c) GI bleeding
- b) Hypoglycemia  
d) Hypertension

**Group-B**

(Short Answer Type Questions)

3 x 5=15

2. Name two diuretics and their adverse effects. (3)
3. Name two antihistamines and mention their uses. (3)
4. Tell what are NSAIDs. Write their mechanism of action (3)
5. Adrenalin injection is given in anaphylactic shock - discuss (3)
6. Infer the mechanism of calcium channel blockers. (3)

**OR**

Focus and say, why furosemide is used in left ventricular failure. (3)

**Group-C**

(Long Answer Type Questions)

5 x 6=30

7. Differentiate between general and local anesthesia (5)
8. Define autocooids. Is histamine an autocooid? (5)
9. Illustrate the pharmacotherapy of insomnia. (5)
10. Discuss in detail the adverse effects of NSAID. (5)
11. Illustrate the mechanism of action of lithium in bipolar disorder. (5)
12. Illustrate the mechanism of action of local anesthesia (5)

**OR**

Illustrate lignocaine as a local anaesthetic agent (5)

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