



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Sc.(CCT)-2022/B.Sc.(CCT)-2023/B.Sc.(CCT)-2024

Course Name – Pharmacology

Course Code - BCCTC204

(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) Quote which is an 'Essential drug':
 - a) Drugs that meet the priority health care needs of the population.
 - b) Drugs that are listed in the pharmacopoeia of a country
 - c) A drug needed for treatment or prevention of a rare disease
 - d) None of these
- (ii) Locate which one incorrect about EPHEDRINE
 - a) EPHEDRINE is used in asthma
 - b) It is used in hypertension during spinal anaesthesia
 - c) It crosses to brain
 - d) it is effective orally
- (iii) Choose correct one about AMPHETAMINES
 - a) These are natural compounds
 - b) They are orally active with relatively short duration
 - c) It has central effects include alertness, increased concentration, euphoria
 - d) Treatment of amphetamine toxicity includes administration of PHENYLEPHRINE
- (iv) Choose incorrect one
 - a) Mucolytics are useful in tracheostomy patients
 - b) Side effect of carbocisteine is gastric discomfort
 - c) Side effect of Carbocisteine is rhinorrhoea
 - d) Mucolytics are used in asthmatic bronchitis
- (v) Select which one is false about NICORANDIL
 - a) It is a potassium channel opener
 - b) It is well absorbed orally
 - c) Side effect is aphthous ulcerin mouth
 - d) It is a first line antianginal drug

- (vi) Select the correct answer from the following: Pharmacodynamics considers
- The way drugs bring about their therapeutic effects
 - The way drugs are absorbed, distributed, metabolized, and excreted.
 - The way drugs are derived from herbal and other natural sources
 - The way drugs can be used to diagnose, prevent and treat illness
- (vii) Select the drug is contra indicated in patients of Asthma with Hypertension
- Non selective Beta blockers
 - Cardio selective Beta blockers
 - Diuretics
 - none of these
- (viii) Identify the drug of choice in eclampsia (pregnancy onset) seizures
- MgSO₄
 - Valproate
 - Phenobarbital
 - Phenytoin
- (ix) Drug associated for use in Alzheimers disease
- Donepezil
 - Riluzole
 - Carbidopa
 - Phenytoin
- (x) State which of the following drug is contraindicated in pregnancy?
- Clonidine
 - Enalapril
 - Salmeterol
 - Acetazolamide
- (xi) Select the therapeutic use of Amiodarone
- Hypertension
 - Atrial fibrillation
 - Type 2 diabetes
 - Chronic obstructive pulmonary disease (COPD)
- (xii) Identify the therapeutic use of lorazepam?
- Bronchitis
 - Hypertension
 - Seizures
 - ADHD
- (xiii) Select the drug is used to treat Parkinson's disease?
- Levodopa
 - Diazepam
 - Cetirizine
 - Metformin
- (xiv) Identify the drug commonly used to treat migraines?
- Furosemide
 - Atenolol
 - Sumatriptan
 - Amitryptilline
- (xv) Tell the vaccine that is given to newborns in India to protect them from tuberculosis.
- Polio vaccine
 - BCG vaccine
 - MMR vaccine
 - Rotavirus vaccine

Group-B

(Short Answer Type Questions)

3 x 5=15

- Discuss about uses of MANNITOL (3)
- Enumerate the ideal properties of an Antiseptic/Disinfectant. (3)
- Define orphan drug. Give example. (3)
- State how beta lactum group of antibiotics produce bacteriocidal action. Give two examples of beta lactum ring containing antibiotic. (3)
- Write a short note on RANITIDINE. (3)

OR

Write a short note on SALBUTAMOL. (3)

Group-C

7. Define Diarrhoea. State the drugs used in the treatment of diarrhoea. Prepare an anti H. pylori (5)
regime (Triple drug therapy).
8. Define "OTC drug" with example. Describe in detail about the sources of drugs. (5)
9. Define "Prodrug". Enumerate the phase I reactions of drug metabolism. (5)
10. Classify general anesthetics. Define MAC. (5)
11. Summarize the causes, clinical manifestations, and management of Acute renal failure. (5)
12. Summarize the clinical features and treatment of hyperthyroidism. (5)

OR

Explain the acute and chronic complications of Diabete mellitus. Discuss the role of HbA1c in (5)
DM.

LIBRARY
Brainware University
Barasat, Kolkata -700125