

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, UTTAR PRADESH**MBBS DEGREE - IInd PROFESSIONAL - SUPPLEMENTARY EXAMINATION - APRIL 2025****PHARMACOLOGY - PAPER - I****SECTION A - Multiple Choice Questions (MCQs)**

PAPER CODE : 2521130005

SET : B

Note: Choose one correct answer in the OMR sheet provided. No overwriting should be done.

Time: 20 Minutes

(20 x 1 = 20 MARKS)

1. Levodopa alone is metabolized in peripheral circulation by which one of the following enzymes?
 - a) Dopa synthetase
 - b) Dopa carboxylase
 - c) Dopa hydroxylase
 - d) Dopa decarboxylase
2. Find the drug which is effective in management of bronchial asthma by antagonizing leukotriene receptors
 - a) Ketotifen
 - b) Montelukast
 - c) Ipratropium bromide
 - d) Salbutamol
3. Which one of the following drugs belongs to nonselective beta blocker and used in prophylaxis of migraine?
 - a) Acebutolol
 - b) Propranolol
 - c) Metoprolol
 - d) Atenolol
4. Which one of the following agents is used in management of methyl alcohol poisoning?
 - a) Naltrexone
 - b) Etomidate
 - c) Naloxone
 - d) Ethyl alcohol
5. Belladonna poisoning is treated by using which one of the following compounds?
 - a) Cyclopentolate
 - b) Neostigmine
 - c) Physostigmine
 - d) Atropine
6. Which one of the following drugs is administered by sublingual route?
 - a) Isosorbide mononitrate
 - b) Isosorbide dinitrate
 - c) Naproxen
 - d) Ibuprofen

7. Which one of the following drugs is used during surgical procedures and acts by blocking the neuromuscular junctions?
- a) Fentanyl
 - b) Halothane
 - c) Nitrous oxide
 - d) Atracurium
8. Which one of the following drugs benefits in parkinsonism by inhibition of Catechol O Methyl Transferase enzyme?
- a) Droperidol
 - b) Carbidopa
 - c) Entacapone
 - d) Selegiline
9. Latanoprost is used in management of glaucoma. It belongs to which one of the following class of drugs?
- a) Prostaglandin analogue
 - b) Cholinergic agent
 - c) Osmotic agent
 - d) Carbonic anhydrase inhibitor
10. Which one of the following alpha one selective blocker drugs is used in management of hypertension and benign prostatic hypertrophy?
- a) Prazosin
 - b) Yohimbine
 - c) Phentolamine
 - d) Phenoxybenzamine
11. Dobutamine acts by which one of the following receptors?
- a) Beta 2 receptors
 - b) Alpha 2 receptors
 - c) Beta 1 receptors
 - d) Alpha 1 receptors
12. Which one of the following is used in management of sleep disorders especially during jetlag?
- a) Amitriptyline
 - b) Phenytoin
 - c) Melatonin
 - d) Ethosuximide
13. Rate and extent of absorption of drug is known as
- a) First order kinetics
 - b) Half life
 - c) Bioavailability
 - d) First pass metabolism

14. Diazepam produces effect by acting on which one of the following receptor / channel complexes?

- a) NMDA receptors
- b) Potassium channels
- c) GABA chloride complex
- d) Sodium channels

15. Science which deals with the detection, assessment, understanding and prevention of adverse drug reactions is known as

- a) Pharmacotherapeutics
- b) Pharmacovigilance
- c) Pharmacodynamic
- d) Pharmacokinetic

16. Government of India is promoting prescription of drug by which one of the following names?

- a) Code name
- b) Chemical name
- c) Brand name
- d) Generic name

17. Which one of the following drugs is used for producing dissociative general anesthesia?

- a) Propofol
- b) Ketamine
- c) Nitrous oxide
- d) Lignocaine

18. Which one of the following is opioid antagonist?

- a) Bupivacaine
- b) Naloxone
- c) Ketotifen
- d) Tramadol

19. Which one of the following drugs is CYP 450 enzyme inhibitor?

- a) Carbamazepine
- b) Phenobarbitone
- c) Rifampicin
- d) Itraconazole

20. Which one of the following antiepileptic drugs has the broadest spectrum of action by acting through multiple

- a) Sodium Valproate
- b) Phenytoin
- c) Ethosuximide
- d) Carbamazepine
