

**B. PHARM.
FOURTH SEMESTER
PHARMACOLOGY I
BP404T**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration : 3 hrs.

Full Marks : 75

Time : 30 min.

Marks : 20

(PART-A: Objective)

1×20=20

Choose the correct answer from the following:

1. Atropine causes
 - a. Miosis
 - b. Mydriasis
 - c. Both
 - d. None
2. _____ used as mood stabilizing agent.
 - a. Lithium
 - b. Pshysostigmine
 - c. Pilocarpine
 - d. None of these
3. Which is following cholinomimetics is indirectly acting
 - a. Edrophonium
 - b. Acetylcholine
 - c. Mivacurium
 - d. None
4. Which of the following analgesics bind to the opioid receptor
 - a. Morphine
 - b. Acetaminophen
 - c. Ibuprofen
 - d. none
5. Pharmacokinetic is the study of
 - a. Drug action on body
 - b. Body response to the drug
 - c. Both of them
 - d. None of them
6. Drug is given by intravenous route is called
 - a. Oral
 - b. Parenteral
 - c. Topical
 - d. Local
7. A receptor is
 - a. Genetic materials
 - b. Micromolecule
 - c. Macromolecule
 - d. none
8. Nervous system involve in the fight or flight response is
 - a. Sympathetic nervous system
 - b. Parasympathetic nervous system
 - c. Both
 - d. None
9. Cholinesterase responsible for
 - a. Breakdown of acetylcholine
 - b. Synthesis of acetylcholine
 - c. Transmission of acetylcholine
 - d. All of the above

10. In major surgery which anaesthetic will be preferred
 - a. Local
 - b. General
 - c. Analgesics drugs
 - d. None
11. Agent which cause calmness 'without inducing sleep'
 - a. Anti-anxiety
 - b. Hypnotics
 - c. Sedatives
 - d. None of the above
12. Drug which is used in the treatment of Alcohol abuse
 - a. Disulfiram
 - b. Nicotine
 - c. Charcoal
 - d. All of the above
13. Stage of delirium is a ___of general anaesthesia
 - a. 1st stage
 - b. 2nd stage
 - c. 3rd stage
 - d. 4th stage
14. Preanaesthetic medications are administered
 - a. Before general anaesthesia
 - b. After general anaesthesia
 - c. Both
 - d. None
15. If a dose of drug which was enough earlier but now it is not producing the same effect as it was used to produce. This condition is called as
 - a. Teratogenicity
 - b. Drug Dependence
 - c. Drug abuse
 - d. Drug Tolerance
16. Ketamine inhibit the action of
 - a. GABA receptor
 - b. Glycine receptor
 - c. NMDA receptor
 - d. None
17. Agent which inhibit the sensation of pain is called
 - a. Analgesics
 - b. Antipyretic
 - c. Anti manic
 - d. None of the above
18. Indicate the long acting neuromuscular blocking agents.
 - a. Rapacuronium
 - b. Mivacurium
 - c. d-tubocurarine
 - d. none
19. Depression and mania together called
 - a. Bipolar disorder
 - b. Anxiety
 - c. Alzheimer's disease
 - d. none
20. Phase 04 clinical trial is known as
 - a. Micro dosing phase
 - b. Therapeutic exploration phase
 - c. Post marketing Surveillance phase
 - d. Human pharmacology and safety phase

(PART-B : Descriptive)

Time : 2 hrs. 30 min.

Marks : 35

[Answer any seven (7) questions]

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|---|-----------------|
| 1. Write about the various routes of administration of drugs. | 5 |
| 2. Define local anaesthesia. Classify local anaesthetic agents.
Mechanism of local anaesthetic drugs. | 2+1.5+
1.5=5 |
| 3. What are opioid analgesics? Classify the drugs. Discuss about Morphine. | 1+2+2
=5 |
| 4. Classify parasympathomimetic drugs. Write the pharmacological actions for the same. | 2+3=5 |
| 5. Discuss about drug abuse and drug tolerance. | 2.5+2.5
=5 |
| 6. Define pharmacology and discuss in short about pharmacokinetics and pharmacodynamics. | 1+2+2
=5 |
| 7. Classify antiepileptic drugs. Write the pharmacology of phenytoin. | 2.5+2.5
=5 |
| 8. Write a short note on adverse drug reactions. | 5 |
| 9. Define general anaesthesia. Classify the general anaesthetic medications. Pharmacological action on CNS. | 2+2+1
=5 |

(PART-C: Long type questions)

[Answer any two (2) questions]

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| 1. Discuss in detail about neurohumoral transmission. | 10 |
| 2. Explain about the GPCR and JAK-STAT signalling pathway. | 5+5=10 |
| 3. What is depression? Classify the antidepressant drugs. Write the pharmacology of any one antidepressant drug. | 2+4+4
=10 |

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