

P. Pages : 2

Time : Three Hours

**AW - 2351**

Max. Marks : 75

- Notes :
1. Answer **all** question.
 2. Illustrate your answer necessary with the help of neat sketches.
 3. Use of pen Blue/Black ink/refill only for writing the answer book.

1. a) Multiple choice questions.**10**

- i) Receptor for Cholinergic system are
 - a) α -receptors
 - b) β -receptor
 - c) α & β -receptors
 - d) Muscarinic
- ii) Following which are membrane transport mechanism-
 - a) Absorption
 - b) Distribution
 - c) Metabolism
 - d) Active transport
- iii) Which drug act as enzyme inverse.
 - a) Penicillin
 - b) Benzodiazepines
 - c) Streptomycin
 - d) Sulphonamides
- iv) Example of Antipsychotic drugs.
 - a) Chlorpromazine
 - b) Pimozide
 - c) Fluphenazine
 - d) all the above
- v) Selective β_2 -agonist is –
 - a) Propranolol
 - b) Timolol
 - c) Terbutaline
 - d) Aspirin
- vi) Serotonin is synthesized from –
 - a) L- Tryptopham
 - b) L- Histidine
 - c) Prostaglandins
 - d) Interlukins
- vii) D – Tubocurarine is an example of
 - a) Local anesthetics
 - b) Sedatives
 - c) Skeletal muscle relaxants
 - d) General anesthetics
- viii) Neurotransmitter GABA is
 - a) Excitatory
 - b) Inhibitory
 - c) Neutral
 - d) None of these
- ix) Alzheimer's is ----- disease.
 - a) Infective
 - b) Neurodegenerative
 - c) Respiratory
 - d) Urinary
- x) Drug produces P'cological effects through
 - a) Receptor
 - b) Enzyme
 - c) Hormones
 - d) All of these

- i) Enlist various phase – I – metabolic reaction.
- ii) Enlist various mechanism by which drug act.
- iii) Enlist factors modifying drug action.
- iv) Define drug Interaction. Mention its types.
- v) Classify sedatives & Hypnotics.

2. Long answer **any two**.

20

- a) Classify Adrenergic drugs. Discuss the pharmacology of Adrenaline in detail.
- b) Explain various routes of drug Administration.
- c) Classify Anti-epileptic Drugs. Discuss pharmacology of Phenytoin.

3. Short answer **any seven**.

7+5
=35

- a) Write in short about Phase-II bio-transformation reaction.
- b) Classify Anti Parkinson's drugs. Write Mechanism of action of Carbidopa.
- c) Write various phases of clinical trials.
- d) Define Drug Interaction & explain Drug-food & Drug-drug interaction with examples.
- e) Define Adverse drug reaction & explain it in short.
- f) Classify CNS stimulant. Write Pharmacology of Amphetamine.
- g) Write Pharmacological actions of Alcohol.
- h) Classify Anti-epileptic drug. Write MoA of Valproic acid.
- i) Write MoA, uses of Adverse effect of propranolol.
