



**DAO-BP404-T**                      Seat No. \_\_\_\_\_  
**M. P. M. (Sem. IV) (External) (Theory)**  
**Examination**  
**April / May - 2022**  
**BP404T : Pharmacology - I**

Time : 3 Hours]

[Total Marks : 75

**Instruction :** (1) Draw clean diagrams wherever necessary and tie each section separately.  
(2) Figure to the right side indicates full marks for the respective question.

**1**    Answer the following Questions: **10×2=20**

- (1) What is competitive antagonism? Write one example.
- (2) Define: Bioavailability.
- (3) Comment on Benzodiazepines are preferred over barbiturates.
- (4) Differentiate Tolerance & Dependence.
- (5) Enlist functions of ANS.
- (6) What is Pharmacovigilance.
- (7) Enlist Neurotransmitters.
- (8) Give mechanism and use of valproic acid.
- (9) Define the following terms: Pharmacokinetics and synergism.
- (10) What is enzyme induction & give any two example of enzyme inducer drugs ?

**2**    Answer any two out of Following: **2×10=20**

- (1) Classify receptors. Write a note on GPCR receptor.
- (2) Define analgesics. Classify opioid analgesics with examples and write about the pharmacological action of morphine.
- (3) Classify Beta adrenergic blockers. Describe pharmacology of propranolol.

**3** Answer any seven out of the following. **7×5=35**

- (1) Classify and write about the common pharmacological actions of alpha adrenergic blockers.
  - (2) Briefly discuss about the different phases of clinical trial.
  - (3) Briefly describe about the different types of drug interactions with examples.
  - (4) Describe any five factors modifying the action of drugs.
  - (5) Write a note on adverse drug reactions.
  - (6) Classify sympathomimetics drugs and discuss its pharmacology.
  - (7) Write a note on dopamine as a neurotransmitter.
  - (8) Classify antipsychotics agent. Write mechanism of action, pharmacological action and adverse effect of Chlorpromazine.
  - (9) Discuss pharmacology of hallucinogens.
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