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DEC-23-0077

BP-404 T (Pharmacology-I)

B.Pharm-4th (PCI)

Time : 3 Hours

Max. Marks : 75

Note: The question paper contains three sections in all, Section A, B and C. In Section A, student has to attempt all questions. From Section B students has to attempt any two questions and from section C students has to attempt any seven questions.

SECTION-A

Short Answer (Compulsory)

1. Objective type Questions (10×2=20)
 - a. What is enzyme induction?
 - b. What is kinetics of elimination?
 - c. Give examples of inhibitory neurotransmitter.
 - d. What do you mean by therapeutic index?
 - e. What are sympathomimetics?
 - f. What is Glaucoma?
 - g. Give mechanism of action of Disulfiram.
 - h. What are nootropic agents?
 - i. Name two Opioid analgesics.
 - j. What is epilepsy?

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SECTION-B

Long Answer (Any Two)

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(2×10=20)

2. What do you mean by neurotransmitter? Write a detailed note on neurohumoral transmission.
3. Write a descriptive note on serotonin and dopamine giving suitable example.
4. Give suitable examples of therapeutic treatment of Alzheimer's disease and elaborate the mechanism of action involved.

SECTION-C

Short Note Answer (Any Seven)

(7×5=35)

5. Elaborate non competitive and competitive antagonist giving suitable example.
6. Explain dependence giving suitable examples.
7. Write a note on routes of drug administration.
8. Discuss the structure and functioning of JAK-STAT receptor.
9. What do you mean by adverse drug reaction? Elaborate giving suitable examples.
10. Differentiate between parasympathetic nervous system and sympathetic nervous system.
11. Discuss about actions of serotonin.
12. Elaborate pharmacology of drugs treating Parkinson's Disease.
13. What is anxiety? Give classification of drugs for treating anxiety.