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H-BP-404

B. Pharma (Semester-IV) Examination, 2022

PHARMACOLOGY-I

[Paper : Fourth]

Time Allowed : Three Hours

Maximum Marks : 75

Minimum Passing Marks : 28

Note : Answer from all the sections as per given instructions in each section.

SECTION-A

(Very Short Answer Type Questions)

Note : Attempt **all** questions. Each question carries **2** marks.

[10x2=20]

1. Define drug tolerance and dependence.

2. Write two examples of neuromuscular blocking agents.
3. Define pharmacokinetics and pharmacodynamics.
4. What are sedative and hypnotics ?
5. Define general anaesthetics.
6. What is G-protein coupled receptor ?
7. Name any two drugs used in myasthenia gravis.
8. Define pharmacovigilance.
9. What are opioid analgesics ?
10. What are neurotransmitters ?

SECTION-B

(Short Answer Type Question)

Note : Attempt **any seven** questions. Each question carries **5** marks. [7x5=35]

1. Discuss the mechanism and pharmacology of drugs used in myasthenia gravis.
2. Discuss the principle and mechanism of drug action.

3. Define therapeutic index and discuss the factors modifying drug action.
4. Write exhaustive note on antiepileptic drugs.
5. Discuss the pharmacology of opioid analgesic and antagonist.
6. Discuss the historical landmark and scope of pharmacology.
7. Define essential drugs and explain dose response relationship.
8. Write exhaustive note on drugs used in Alzheimer's disease.
9. Explain the types and mechanism of agonist and antagonist.

SECTION-C

(Long Answer Type Questions)

Note : Attempt **any two** questions. Each question carries **10** marks. [10x2=20]

1. What is Drug Discovery ? Discuss the process and evaluation of drug discovery.

2. Classify enzymes with example. Explain enzyme kinetics and enzyme inhibition mechanism.
3. Explain the organization, function and pharmacology of drugs acting on ANS.

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