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Roll No .....

PY-603 (GS)

B.Pharmacy VI Semester Examination, June 2020

Grading System (GS)

Pharmaceutical Chemistry - VII

(Medicinal Chemistry - II)

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. Name some psychotomimetic drugs and discuss neurobiology of drug abuse and addiction.

2. Give name and structures of drugs effective against partial and generalized tonic-clonic seizures.

3. Elaborate the rational approach to drug design with regard to quantum mechanics, molecular orbital theory, molecular connectivity and linear free energy concept.

4. Write the pharmacokinetics principles of general anaesthetics.

5. Explain the Rhodopsin cycle. Give the role of vitamin D in human physiology.

6. What are hallucinogens? Discuss some stimulants and related drugs of abuse.

OR

Prove the B-ionone ring in vitamin A. Discuss the structure of vitamin K and give its synthesis.

7. a) Write a note on adrenocorticoids.
   b) What a note on male sex hormones?

8. Write short notes on (any two):
   a) Vitamins
   b) Lanatives and antidiarrheal
   c) Oral hypoglycemic agents

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