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Roll No .....

PY-405 (GS)

B.Pharmacy IV Semester Examination, June 2020

Grading System (GS)

Pharmacology - I

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. Classify anticholinesterase drugs. Write pharmacological actions and therapeutic uses of them.

2. Classify and discuss pharmacology of Antigout drugs.

3. What are sympathomimetics? Discuss in detail the mechanism of action, pharmacological effects and therapeutic uses of sympathomimetic drugs.

4. Explain the concept of neurohumoral transmission in peripheral nervous system.

5. What are neuromuscular blockers? Classify them and give mechanism of action, adverse effects and therapeutic use of d-tubocurarine.

   OR

   Enlist major effector pathways of G-Protein coupled receptors. Discuss any one in detail.

6. Define the following any four terms with examples wherever necessary.
   a) Tolerance
   b) Dependence
   c) Pharmacogenetics
   d) Pharmacokinetics
   e) Bioassay
   f) Biological standardization

7. Write note on any three:
   a) Sources of drugs
   b) Clinical trials
   c) Anti-pyretics
   d) Antiasthmatics

8. Answer any two of the following:
   a) Enlist steps in systematic treatment of poisoning.
   b) Describe treatment of smoking cessation.
   c) Describe action of prostaglandins on cardiovascular system.
   d) Discuss the pharmacology and uses of Ibuprofen.
   e) Write a brief note on codeine.
   f) Classify antitussives with examples.

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