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Roll No

PY-405 (GS)**B.Pharmacy IV Semester**

Examination, December 2017

Grading System (GS)**Pharmacology - I***Time : Three Hours**Maximum Marks : 70*

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

1. What are the different mechanisms by which a drug shows its action? Describe the various routes of administration of drugs.
2. What are sympathomimetics? Discuss in detail the mechanism of action, pharmacological effects and therapeutic uses of sympathomimetic drugs.
3. Classify local anaesthetics. Explain its mechanism of action and give its therapeutic applications.
4. What are neuromuscular blockers? Classify them and give mechanism of action, adverse effects and therapeutic use of d-tubocurarine.
5. What are Autocoids? Differentiate between histamine, bradykinin and 5HT in terms of biosynthesis, storage and release. Give pharmacological action of histamine.

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6. Classify parasympathomimetic drugs and explain the pharmacology of acetyl choline.
7. What are NSAIDs? Classify those giving examples. Discuss the mechanism of action, therapeutic uses and adverse effect of aspirin.
8. Write note on any three:
 - a) Drug tolerance and dependence
 - b) Clinical trials
 - c) Anticancer drugs
 - d) Antiasthmatics

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