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Roll No

PY-503 (CBGS)**B.Pharmacy V Semester (Non-PCI Scheme)**

Examination, November 2018

Choice Based Grading System (CBGS)**Pharmacology - II***Time : Three Hours**Maximum Marks : 75*

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

1. Classify drug use in high blood pressure. Give the complete pharmacology of any one drug acting on Renin-Angiotensin-Aldosterone system.
2. Define hematinics. Explain the role of iron and vitamins in various disorders. Mention their adverse effects.
3. Classify the diuretics on the basis of their mechanisms of action. Explain the mechanism of action, pharmacokinetics, adverse effects and uses of spironolactone.
4. Enlist various hormones secreted by pituitary gland. Explain mechanism of action, biological action, therapeutic uses, adverse effect of growth hormones. Add a note on negative feedback mechanism.
5. Classify antithyroid drugs and describe the mechanism of action and adverse effects of thyocyanate ion and propylthiouracil.

6. Write illustrated account of Androgen and anabolic steroids. Classify oral contraceptives.
7. What are the principles of bioassay? Explain the types and applications of bioassay.
8. Write short notes on any five of the following:
 - a) Oral hypoglycemic agents
 - b) Anti-gout drugs
 - c) Plasma volume expanders
 - d) Non steroidal anti-inflammatory agents
 - e) Drugs affecting calcium balance
 - f) Explain the mechanism of coagulation.

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