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Roll No

PY - 605**B.Pharm. VI Semester**

Examination, June 2014

Pharmacology - III*Time : Three Hours**Maximum Marks : 70*

Note: Attempt any five questions. Figures to the right indicate full marks.

1. a) Classify antihypertensive drugs. Describe the actions adverse effects and uses of adrenergic β receptor antagonists in the treatment of hypertension. 7
b) Explain the pathophysiological roles of Renin-Angiotensin System (RAS). 7
2. a) Classify diuretic drugs. Explain the complications of high ceiling and thiazide type diuretic therapy. 7
b) Define angina pectoris. Explain the principle forms of angina pectoris, mechanism of action and adverse effects of organic nitrates. 7
3. a) Describe the pharmacological action, mechanism and adverse effects of digitalis. 7
b) What are haematinics? Describe the metabolic functions, utilization and uses of vitamin B12. 7
4. a) Explain the comparative aspects of heparin and oral anticoagulants. 7
b) Enumerate antiplatelet drugs and describe their therapeutic uses. 7
5. a) Describe the mechanism of action, adverse effects and indications of insulin therapy. 7
b) Explain the regulation of secretion and actions of androgens. 7
6. a) Describe the adverse effects and therapeutic uses of glucocorticosteroids. 7
b) Explain the physiological role and uses of calcium. 7
7. a) Describe the preparation, mechanism of action and adverse effects of oral contraceptives. 7
b) Explain the mechanism of action, pharmacological effects and uses of thyroid hormones. 7
8. Write short notes on any two of the following 7×2
a) Anabolic steroids
b) Oxytocin
c) Antithyroid drugs

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