Examination, December 2014

## Pharmacology - III

Time: Three Hours

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Note: Attempt any five questions. All questions carry equal marks.

- a) Differentiate between cardiac glycosides and cardiac stimulants. Enlist the various sources of the cardiac glycosides.
  - Classify antiarrhythmic drugs. Give the mechanism of action of Quinidine.
- a) What do you understand by angina pectoris? Discuss various forms of angina pectoris.
  - Discuss the clinical drugs used in the treatment of hypertension. Discuss the mechanism of action, uses and toxicities of Nifedipine.
- 3. Write short note on any three of the following:
  - a) Ferrous fumarate
  - Role of vitamin K in blood coagulation
  - c) Plasma expanders
  - d) HMG-COA reductase inhibitors.

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- a) Give classification of anti-thyroid drugs.
  - Explain the pharmacological effects of T<sub>4</sub> on human being.
- 5. a) Give the biosynthesis and mechanism of insulin. What do you understand by insulin resistance?
  - b) Discuss various biological actions of Glucocorticoid.
- a) Explain regulation of secretion and importance of Testosterone.
  - b) Discuss various methods used as contraceptives.
- a) Explain various drugs used as oxytocics. Enlist various effects of Prostaglandins on the uterine muscles.
  - b) What is the role of Diethylstilbestrol in hormonal replace therapy?
- a) Highlight the importance of renin-angiotensin system in the maintenance of Homeostasis.
  - Give the mechanism of action, uses and toxicities of any one ACE inhibitor.

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