

Code: 13R00603

**R13**

B.Pharm III Year II Semester (R13) Supplementary Examinations December 2016

**PHARMACOLOGY – II**

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What is diabetic ketoacidosis?
  - (b) Explain the terms: (i) Acromegaly. (ii) Cretinism.
  - (c) Give examples for leukotriene antagonists and their uses.
  - (d) Mention the drugs used in the treatment of shock.
  - (e) Explain the mechanism of antihypertensive action of diuretics.
  - (f) What are uterine stimulants and tocolytics? Give examples.
  - (g) Classify 5HT receptors with their subtypes and location.
  - (h) Give examples for lipid derived autacoids.
  - (i) What are prostanoids? Give examples.
  - (j) Mention the adverse effects and uses of ACE inhibitors.

**PART – B**

(Answer all five units, 5 X 10 = 50 Marks)

**UNIT - I**

- 2 Explain the mechanism of action and adverse effects of class 1 antiarrhythmic agents.

**OR**

- 3 Explain the mechanism of action and adverse effects of  $\beta$  blockers and calcium channel blockers.

**UNIT - II**

- 4 Classify antidiuretics with examples and write the uses of antidiuretics and plasma expanders.

**OR**

- 5 Explain the mechanism of actions, adverse effects and uses of warfarin.

**UNIT - III**

- 6 Explain the mechanism of action, uses and adverse effects of spironolactone and mannitol.

**OR**

- 7 Classify the drugs used in the treatment of asthma. Explain the role of mast cell stabilizers in asthma.

**UNIT - IV**

- 8 Classify histamine receptors with their agonists and antagonists and explain the adverse effects and uses of antihistamine.

**OR**

- 9 Explain the physiological and pathological role of angiotensina.

**UNIT - V**

- 10 Explain the mechanism of action, uses and adverse effects of glibenclamide and pioglitazone.

**OR**

- 11 Explain the pharmacological actions and mechanism of actions, uses and adverse effects of oxytocin.

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