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M. PHARMA
THEORY EXAMINATION (SEM-II) 2016-17
ADVANCED PHARMACOLOGY-II

Time : 3 Hours**Max. Marks : 70****Note :** Be precise in your answer. In case of numerical problem assume data wherever not provided.

SECTION- A

- 1. Attempt all parts of this Section** **7×2=14**
- (a) Classify oral hypoglycemic agents.
 - (b) Write down a short note on phased regimen as oral contraceptives.
 - (c) How is chronopharmacology important in the treatment of ulcer?
 - (d) What do you mean by prokinetics?
 - (e) Classify antithyroid drugs.
 - (f) Enlist the advanced treatment for cancer.
 - (g) Classify anthelmintics.

SECTION- B

- 2. Attempt any three parts of the following** **3×7=21**
- (a) Explain the molecular mechanism of action of growth hormone. Write down its adverse drug reactions and therapeutic uses.
 - (b) Discuss the molecular mechanism of action of any third generation penicillin of your choice. Suggest the various ways by which drug resistance occur against.
 - (c) **Give short notes on the followings.**
 - (i) Allergy
 - (ii) Hypersensitivity reactions
 - (d) What do you mean by chronopharmacology? Write down its significance in therapy of asthma.
 - (e) Classify antioxidants. Give a detailed account on the protective activity of antioxidant.

SECTION- C

- 3. Attempt all questions in this section.** **5×7=35**
- (a) Give short notes on **any two** of the followings.
 - (i) Molecular mechanism of action of thyroxine
 - (ii) Sulfonylureas
 - (iii) Molecular mechanism of action of Insulin
 - (b) Describe molecular mechanism of actions of any one important antiviral agent.
 - (c) Discuss the cellular and biochemical mediators of inflammation or allergic reaction.
 - (d) Give a detailed account on irritable bowel syndrome and its treatment.
 - (e) Describe the generation of free radicals. How do they cause neurodegenerative diseases?