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PHARM-353

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 150513

Roll No. **B.Pharma.****(SPL.) THEORY EXAMINATION, 2014-15****PHARMACOLOGY-I***Time : 3 Hours]**[Total Marks : 80***Note:** Attempt all questions.

1. Answer any two questions. 8×2=16
 - (a) What do you mean by bioassay? Give its importance in drug discovery.
 - (b) What are the various factors which modify the drug action?
 - (c) Write a note on additive and synergistic effect of drugs.
2. Answer any four questions: 4×4=16
 - (a) How pH affects the absorption of drugs?

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- (b) What is apparent volume of distribution?
- (c) What is up and down regulation of a receptor?
- (d) What is the rational of therapeutic index in pharmacology?
- (e) Write a note on food-drug interactions.

3. Answer any two questions: 8×2=16

- (a) Differentiate sympathetic and parasympathetic nervous system.
- (b) Describe the action of adrenaline and acetylcholine on blood pressure.
- (c) Give the pharmacological implications of β adrenergic blockers.

4. Answer any two questions: 8×2=16

- (a) Write a note on various stages of anesthesia and give the mechanism of barbiturate.
- (b) Classify antiparkinsonian drugs and give the pharmacology of levodopa.
- (c) Classify antidepressant drugs and give the pharmacology of fluoxetine.

5. Answer any two questions: 8×2=16

- (a) Give the pharmacology of lidocaine.
- (b) Write a note on ganglionic blocking agents.
- (c) Give comment on diazepam as a muscle relaxant.

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