



SB-1175

Final Year B. Pharm. Examination

March / April – 2011

PH - 405 : Pharmacology - III

(Pharmacology & Drug Bioevaluation)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
Final Y. B. Pharm.	<input type="text"/>
Name of the Subject :	<input type="text"/>
PH - 405 : Pharmacology - 3	<input type="text"/>
Subject Code No. : <input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 7 <input type="text"/> 5	Section No. (1, 2,.....) : <input type="text"/> 1&2
Student's Signature	

- (2) This paper contains **two** sections.
- (3) Each section contains **three** questions.
- (4) All **three** questions in each section are **compulsory**.
- (5) Figures to the **right** indicate marks.

SECTION - I

- 1 Discuss the role of following in the clinical conditions mentioned : (any **three**) **15**
 - (a) Glucocorticoids in asthma.
 - (b) Lithium in bipolar maniac depressive psychosis.
 - (c) Proton pump inhibitors (PPIs) in ulcer.
 - (d) Ethosuximide in epilepsy.
 - (e) Fluoxetine in depression.
 - (f) Gemfibrozil in antihyperlipidemia.
- 2 Discuss the detail pharmacology of the following : (any **two**) **10**
 - (i) Morphine
 - (ii) Digitalis
 - (iii) Nitrates
 - (v) Warfarin.
- 3 Explain genetic polymorphism with five different examples of variations in drug response. **10**

OR

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[Contd...

- 3** What is the difference between pharmacogenetics and pharmacogenomics ? Discuss the role of gene therapy in various clinical conditions. **10**

SECTION - II

- 4** (a) Describe in detail, the five types of adverse drug reactions (ADRs) with their specific characteristics with appropriate examples. **15**
(b) Discuss the factors responsible for causing ADRs.
- 5** Enumerate and discuss the side effect profile of any two of the following : **10**
(i) Insulin
(ii) β -blockers
(iii) Diuretics
(iv) Non steroidal anti inflammatory drugs (NSAIDs).
- 6** Explain drug interactions at metabolic level with at least five examples with their respective mechanism of actions and the final outcome of the reactions. **10**
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