



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)

<p>नीचे दशावलि निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>Final Y. B. Pharm.</p> <p>Name of the Subject :</p> <p>PH - 405 : Pharmacology - 3</p> <p>Subject Code No. : 1 1 7 5 Section No. (1, 2,.....) : 1&2</p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table> <div style="border: 1px solid black; border-radius: 15px; height: 60px; margin-top: 10px; display: flex; align-items: center; justify-content: center;">Student's Signature</div>						

- (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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