

**Sixth Semester Examination for the Degree  
of Bachelor of Pharmacy**

**CLINICAL PHARMATHERAPEUTICS**

**6 T 5**

Time : Three Hours ]

[ Max. Marks : 80

- N. B. : (1) Question No. 1 is compulsory.  
 (2) Attempt any **four** questions from the remaining.  
 (3) Draw neat labelled diagram wherever necessary.  
 (4) Discuss the reaction, mechanism wherever necessary.  
 (5) Use of electronic calculator is permitted.  
 (6) Assume suitable data wherever necessary.

1. Answer the following questions (any **five**) :—

- (a) Explain in short the term rational drug use with suitable example. 4
- (b) Explain in brief the role of pharmacist in rational drug use. 4
- (c) Why salbutamol is preferred over isoprenaline in management of bronchial asthma ? 4
- (d) Explain the term "essential drug concept". 4
- (e) Explain the role of nicotinic acid in the hyperlipidemia. 4
- (f) Explain in role of  $\beta$  blocker in the hypertensive therapy. 4
- (g) Explain the role of tamsulosin in the treatment of Benign prostatic hypertrophy. 4

2. Explain in detail pathophysiology of hypertension. Explain in detail the pharmacotherapy of ACE inhibitors. 15
3. Explain the pathophysiology of congestive heart failure. Explain in detail the pharmacotherapy of digitalis in CHF. 15
4. Give the detailed pharmacological account of drug used in the management of bronchial asthma. 15
5. Explain in detail the pharmacotherapy of drugs in peptic ulcer. Add a note on the pathophysiology of peptic ulcer. 15
6. (a) Explain the pathophysiology of the Alzheimer's disease. Explain in detail, the pharmacotherapy of any one class of drugs in treatment of Alzheimer's. 7.5
- (b) Explain pathophysiology of parkinsonism. Discuss pharmacotherapy of dopamine class of drugs. 7.5
7. Give etiopathogenesis and pharmacotherapy for (any **three**)
- (a) Rheumatoid arthritis
- (b) Cough and cold
- (c) Dysmenorrhoea
- (d) Liver diseases
- (e) Gout. 15