

NTK/KW/15 – 6990

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

PHARMACOLOGY-II

Paper - 4.4

Time : Three Hours]

[Max. Marks : 80

- N. B. : (1) Question No. 1 is Compulsory.
(2) Solve any four questions from the remaining.
(3) Draw neat labeled diagram wherever necessary.

1. Solve any **five** :—

- (a) Aspirin in Rheumatoid arthritis.
- (b) Epinephrine in hypovolemic shock.
- (c) Cinnazirine in vertigo.
- (d) Ezetimibe as hyperlipidemic drugs.
- (e) Clinical uses of prostaglandius.
- (f) Phosphodiaesterase III inhibitors.
- (g) Antifibrinolytic agents. 4x5=20

2. (a) Classify antihypertensive drugs. Explain pharmacology of ACE inhibitors in detail. 10
- (b) Discuss various pharmacological approaches to treat angina pectoris. 5

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Contd.

3. (a) Describe in detail synthesis, storage and destruction of serotonin. Give mechanism, uses and adverse effects of any two 5-HT antagonists. 10
 (b) Write a note on platelet activating factor. 5

4. (a) Give classification of NSAIDS. Explain the mechanism, adverse effects and uses of :
 (a) Oxycam derivatives. 10
 (b) Coxibs. 5
 (b) Explain potassium channel openers. 5

5. (a) Discuss antiarrhythmic drugs. 10
 (b) Comment on H₂ antihistaminic drugs. 5

6. (a) Discuss pathophysiology of congestive heart failure. Explain in detail about digitalis. 10
 (b) Give detailed account on antiplatelet agents. 5

7. Give short note on any **two** :—
 (a) Thiazide diuretics.
 (b) Anti coagulants.
 (c) Histamine receptors. 15