

Code No: B4202

R10**SET - 1****IV B. Pharmacy II Semester Supplementary Examinations, April - 2018****PHARMACOLOGY – II**

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions
All Questions carry **Equal** Marks

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1. a) With a neat sketch discuss the mechanisms involved in management of blood pressure. Identify drug targets. (8M)  
b) Write in detail on the pharmacology of ACE inhibitors as antihypertensives. (7M)
2. a) Explain the mechanism of blood coagulation. (8M)  
b) Explain the mechanism, uses and toxicity of warfarin (7M)
3. a) Write short notes on antithyroid drugs. (8M)  
b) Write short notes on steroidal anti-inflammatory drugs. (7M)
4. a) Write a short note on cholecystokinin & vasoactive peptides. (9M)  
b) Write short notes on pentagastrin. (6M)
5. a) Explain the pathophysiology of asthma. Write in detail on role of  $\beta$ -adrenergic agonists in the management of asthma. (10M)  
b) Write short notes on expectorants. (5M)
6. a) What is a bioassay? Discuss the factors influencing selection and reliability of a bioassay. (9M)  
b) Write the principle and procedure involved in the bioassay of digitalis. (6M)
7. a) What are antibiotics? Classify them. Write in brief on the rationale of antibiotic combinations. (8M)  
b) Write in detail on pharmacology of tetracyclins. (7M)
8. a) With a neat sketch discuss the viral life cycle. Identify drug targets for antiviral therapy. (7M)  
b) Write in detail on pharmacology of reverse transcriptase enzyme inhibitors. (8M)