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Faculty of Pharmacy

B.Pharm. Fifth Semester (C.B.S.) Examination

PHARMACEUTICAL MEDICINAL CHEMISTRY-I

Paper-II (5 T 2)

Time-Three Hours]

[Full Marks-80

www.FirstRanker.com N.B. :- (1) Question No. 1 is compulsory.

- - (2) Solve any FOUR questions from the remaining.
- Discuss the reaction, r necessary.

 1. Solve any **five** of the following:

 (a) Write a brief pos-(3) Discuss the reaction, mechanism wherever
 - 20
 - (a) Write a brief note on drug receptor interactions.
 - (b) What are bronchodilators ? Write chemical structures and names of any two compounds of this class.
 - (c) Write chemical name, structure and synthesis of Lidocaine.
 - (d) Discuss SAR of antiepileptic drugs.
 - (e) Write in detail about Glucuronic acid conjugation reaction of drug metabolism.

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(f)	Enlist	various	physicochemical	factors	affecting
	biological activity of drugs.				

- (g) Write in brief about treatment of Urinary tract infections.
- (a) What are structurally non specific drugs? Classify general anesthetics.
 - (b) Write chemical classification of local anesthetics,
- (a) Write classification, SAR and uses of barbiturates.
 - (b) Write chemical name, structure, structure activity relationship, mechanism of action, synthesis, uses and metabolism of benzodiazepine class of drugs.
- Write a detailed note on opioids as analgesics.
- (a) Give classification of oral hypoglycemics.
 - (b) Explain applications of prodrugs with the help of suitable examples.
 8
- (a) Summarize mechanism of action and SAR of drugs used in the treatment of psychoses.
 - (b) Write classification of antidepressants giving Synthesis of any one drug of this class. 8

Write notes on any three of the following :

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- (a) Prostaglandins.
- (b) Treatment of Parkinsonism.
- (c) NSAIDs as antiinflammatory agents.
- (d) Treatment of Allergic Rhinitis.

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