

Code No: B3105/R10

**Set No.2****III B.Pharmacy I Semester Supplementary Examinations, May 2017**  
**PHARMACOLOGY - I****Time: 3 hours****Max Marks: 75****Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. (a) Define Drug and discuss on nature & various sources of drugs.
2. (a) Classify cholinergic receptors and discuss their locations, agonists and antagonists  
(b) Discuss the synthesis, storage, release and reuptake of Acetylcholine. [5+10]
3. Write mechanism of action, adverse effects and Therapeutic uses of the following drugs.  
(a) Zolpidem  
(b) Lorazepam  
(c) Disulfiram  
(d) Buspirone [4+4+4+3]
4. (a) What is drug tolerance? Explain types of tolerance in detail.  
(b) Write about mechanism of development of tolerance.  
(c) What is psychic Dependence? [7+6+2]
5. (a) Explain the importance of Levodopa and carbidopa in Parkinsons disease.  
(b) Diazepam is used in status epilepticus, [8+7]
6. Enumerate the drugs used in peptic ulcer. Write the mechanism of action and pharmacology of omeprazole. [15]
7. (a) Outline the treatment of organophosphorus poisoning.  
(b) What are the precautions to be taken by farmers while spraying insecticides? [8+7]
8. Explain in detailed about the rationality in use of on antidotes in a poisoned patient. [8+7]

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