

Code No: PHR16225

**R16****SET - 1****II B. Pharmacy II Semester Regular Examinations, April - 2018**  
**PHARMACOLOGY-I**

Time: 3 hours

Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)  
2. Answering the question in **Part-A** is Compulsory  
3. Answer any **FOUR** Questions from **Part-B**

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**PART -A**

1. a) What is drug tolerance? (2M)
- b) Name excitatory neurotransmitters present in CNS. (2M)
- c) What is a ganglionic blocker? Give two examples. (2M)
- d) Write the side effects or toxicity of anti-inflammatory agents. (2M)
- e) Write a brief note on drug abuse. (2M)
- f) What are carminatives? Give examples. (2M)
- g) Write a brief note on astringents. (2M)

**PART -B**

2. a) Write short notes on skeletal muscle relaxants. (8M)
- b) Write a short on factors affecting drug action. (6M)
3. a) With a neat sketch explain neurotransmission in adrenergic nervous system. (8M)
- b) Classify skeletal muscle relaxants with examples. Write the pharmacology of any one drug in this category. (6M)
4. a) Classify antianxiety drugs with examples. Write in detail on benzodiazepines. (10M)
- b) Write short notes on dopamine hypothesis involved in psychosis. (4M)
5. a) With a neat sketch explain the pain signal processing mechanism in our body and identify drug targets. (6M)
- b) Write the pharmacology of morphine. (8M)
6. a) Discuss the pathophysiology of Parkinson's disease. Add a note on drugs available for its treatment. (10M)
- b) Write the significance of lithium salts as antipsychotic drug. (4M)
7. a) Explain the pathophysiology of peptic ulcer. Write the rationale in usage of antihistaminics as antiulcer agents. (10M)
- b) Describe pharmacology of antiemetics. (4M)