

**R07**

**Code No: R7603**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD**

**B. Pharmacy IV Year I Semester Examinations, May-2012**

**PHARMACOLOGY-III**

**Time: 3 hours**

**Max. Marks: 80**

**Answer any five questions  
All questions carry equal marks**

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- 1.a) Classify anti ulcer agents, explain the mechanism involved in ulceration process & add a note on proton pump inhibitors. [8]
- b) Classify Anti emetics explain the mechanism of emesis & explain in detail any two classes of drugs. [8]
2. Give brief account on the following
  - a)  $\beta$ -Lactamase Inhibitors [5]
  - b) III Generation cephalosporins. [6]
  - c) General principles of chemotherapy. [5]
3. Write briefly about importance, Principle, methods of bioassay and add a note on bioassay methods for oxytocine and digitalis. [16]
- 4.a) Classify anticancer agents and explain the pharmacology of antimetabolites. [10]
- b) Explain the pharmacology of calcinerin inhibitors. [6]
- 5.a) Explain the pharmacology of antiviral agents and add a note on HAART. [10]
- b) Classify antifungal agents and add a note on azole antifungal agents. [6]
6. Write briefly about the management of Heavy metal and atropine poisoning. [16]
7. Write short notes on
  - a) Chloramphenicol [4]
  - b) Ofloxacin [4]
  - c) Cotrimoxazole [4]
  - d) Gentamicin. [4]
8. Explain the clinical pharmacology anti tubercular drugs & add a note on DOTS. [16]

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