

**GUJARAT TECHNOLOGICAL UNIVERSITY****B. Pharm. – SEMESTER – VI • EXAMINATION – WINTER • 2016****Subject Code: 260005****Date: 25-10-2016****Subject Name: Clinical Pharmacy-I****Time: 02:30 pm - 05:30 pm****Total Marks: 80****Instructions:**

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1** (a) Write causes, sign & symptoms, mechanisms of arrhythmia and discuss how class I(B) anti-arrhythmic drugs manage arrhythmia **06**  
(b) Discuss risk factors and pathophysiology of Alzheimer diseases **05**  
(c) Write sources, mechanism of toxicity, signs and symptoms, diagnosis and treatment of chronic Arsenic (as) poisoning **05**
- Q.2** (a) Describe criteria for Therapeutic Drug Monitoring (TDM) and Immunological methods used for TDM with suitable examples **06**  
(b) Discuss detail pathophysiology and management of Parkinsonism **05**  
(c) Discuss on self medication and nonprescription drug usage **05**
- Q.3** (a) Define rational use of medicines, give examples of the irrational use of medicines and discuss Pharmacist's role in promoting rational use of medicines **06**  
(b) Write how to perform initial evaluation of hypertensive patients and explain hypertensive crises: emergencies and urgencies **05**  
(c) Write short note on Pain and Migraine **05**
- Q.4** (a) Explain the roll and responsibility of clinical pharmacist as a member of health care team **06**  
(b) Explain metabolic and systemic consequences of chronic kidney disease **05**  
(c) Explain pharmacokinetic differences in pediatric population **05**
- Q.5** (a) Define laboratory test abnormalities and write its general principles and give detail of serum proteins tests **06**  
(b) Explain pathophysiology and management of stroke **05**  
(c) Discuss FDA pregnancy categories with suitable examples. **05**
- Q. 6** (a) Discuss the medication related problems in geriatric patients and reasons for high frequencies of adverse drug reactions in the elderly **06**  
(b) Write detail Interpretation of blood urea nitrogen laboratory tests and their effect on drug therapy decisions. **05**  
(c) Discuss etiology, clinical presentation , diagnosis and treatment of megaloblastic anemias **05**
- Q.7** (a) Define poison and write mechanism of action, signs & symptoms, **06**

- diagnosis and management of Organophosphorus poisoning
- (b) Explain the clinical pharmacist roll in improving patient compliance and providing patient counseling **05**
- (c) Discuss etiology, clinical presentation, diagnosis and therapeutic plan for Thrombosis **05**

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