

GUJARAT TECHNOLOGICAL UNIVERSITY

M.Pharm
CLINICAL PHARMACY
SEMESTER: I

Subject Name: CLINICAL TOXICOLOGY AND PHARMACOVIGILANCE

Subject Code: MCP103T

Scope:

Objectives:

Sr.	Topic	Hr
1.	Pharmacovigilance Scope, definition and aims of pharmacovigilance Adverse drug reactions – Classification, mechanism, predisposing factors and causality assessment.	10
2.	Role of clinical pharmacist in Reporting, evaluation, monitoring, prevention and management of ADR	05
3.	Clinical Toxicology: General principles involved in the management of poisoning Antidotes and their clinical applications Supportive care in clinical toxicology Gut decontamination Elimination enhancement Toxicokinetics	15
4.	Clinical symptoms and management of acute poisoning with the following agents Pesticide poisoning: organophosphorus compounds, carbamates, organochlorines, pyrethroids Opiate overdose, Antidepressants, Barbiturates and benzodiazepines, Alcohol: ethanol, methanol, Paracetamol and salicylates, Non steroidal anti-inflammatory drugs, Radiation poisoning	15
5.	Medicine and Poison information Service: Medicine information service: Definition and need for medicine information service, Medicine information resources, systematic approach in answering medicine information queries, preparation of verbal and written response, establishing a drug information center. Poison information service: definition, need, organization and function of poison information service	08
6.	Clinical symptoms and management of chronic poisoning with the following agents: Heavy metals: Arsenic, lead, mercury, iron, copper Food poisoning	07

REFERENCES:

1. Ronald D. Mann, Elizabeth B. Andrews. Pharmacovigilance. John Wiley & Sons Ltd, 2002
2. Ellenhorns Medical Toxicology – Diagnosis and treatment of poisoning. Mathew J. Toxicology - The basic science of poisons, international edition, Curtis D.Klaassen, 6th edition

3. Toxicology – Principles and Applications, Raymond J.M.Niesink, John de.Vries, Manfred A. Hollinger
4. Toxicology - The basic science of poisons, international edition, Curtis D.Klaassen, 6th edition
5. Toxicology – Principles and Applications, Raymond J.M.Niesink, John de.Vries, Manfred A. Hollinger
6. Ronald D. Mann, Elizabeth B. Andrews. Pharmacovigilance. John Wiley & Sons Ltd, 2002