

PHARMACOLOGY

DERIVATION:-

The word pharmacology is derived from two Greek words i.e.

PHARMAKON (an active principle or equivalent to drug, medicine or poison) and

LOGIA (meaning study).

MEANING:-

Pharmacology means “The Science of Drugs”

DEFINITION:-

- Pharmacology may be defined as the study of Effect of a drug (chemical) on the body (living system)
- It includes, History, Source, Physical and chemical properties, Compounding, Biochemical and Physiological effects, PK and PD, Therapeutic and other uses, precautions, Adverse effects, Interactions and Contra-indications of Drugs.

Subdivisions of pharmacology

- **Pharmacotherapeutics** deals with the use of drugs in the prevention and treatment of diseases and it utilizes or depends upon the information of drug obtained by pharmacodynamic studies.

- **Toxicology** – is the study of harmful effects of chemical on living organisms.
- **Experimental Pharmacology** – deals with the study of drug effects in laboratory animals.
- **Clinical Pharmacology** – deals with drugs effects in human beings.
- **Neuropharmacology** – deals with effects of drugs on Nerves.
- **Chemotherapy** deals with the effects of drugs upon microorganisms and parasites without destroying the host cells.

- **Pharmacology is not concerned primarily with what the drug may be used for , but with what actions it has and what fate it encounters in the living organisms.**

