



COURSE OUTCOME – PHARMACOLOGY

At the end of the course, the students shall be able to know

1) The general principles of actions and effects of various drugs and their kinetics.

Dose related effects of drugs.

2) Indications, contraindications, interactions and adverse effects of therapeutically used drugs.

3) The concept of essential drugs, the essential drug list of our country.

4) The importance of rational drug therapy.

5) To prescribe rationally based on the efficacy, safety and cost effectiveness for a particular disease depending on both individual and community needs.

6) To prescribe drugs in special situations such as pregnancy, lactation, infancy and old age.

7) To prescribe for mass therapy under National health programmes.

8) The drugs of addiction and the management of addiction.

9) Antidotes and drugs used in common poisoning.

10) The various environmental and occupational pollutants, their effects on human health and the management.

11) The different types of biomedical waste, their potential risks and the management of health hazards caused by them.

12) The ethics and modalities in the development of new drugs and the ethics in clinical practice and animal ethics. 80 Skills: At the end of the course the student shall be able to prescribe drugs for common ailments.

13) Recognize the side effects, adverse reactions and interactions of commonly used drugs.

14) Calculate the dose of drugs according to age, body surface area, weight and associated diseases such as heart failure, renal and hepatic impairment. Determine the rate of infusion of vital drugs such as dopamine, dobutamine, oxytocin and intravenous fluids.

15) Critically evaluate the information on common pharmaceutical preparation (drug formulations).