

Course objectives:

2022-23



- ✚ To gain knowledge about daily using Drugs
- ✚ To know the basic symptoms and administration of frequently used drugs
- ✚ To know chemical substances utilized in drug preparation

Course outcomes:

After successful completion of the course the student is able to

- ✚ Gain basic Knowledge on Drugs and their use in daily life
- ✚ Learn about how drug will be absorbed, distributed, metabolized, and finally Excreted(ADME)
- ✚ Learn about some regular drugs and their side effects in human body.

Syllabus:

Pharmacodynamics, Pharmacokinetics, and their Side Effects of various Drugs

- 1 Analgesics : Aspirin, Paracetamol
- 2 Drugs of Diabetes : Metformin, Glipizide
- 3 Cardio vascular Agents : Atenolol
- 4 Reproductive Drugs: Testosterone
- 5 Antiulcer agents: Ranitidine, Omeprazole
- 6 Antibiotics: Amylin, Ciprofloxacin
- 7 Antiviral: Ribavirin
- 8 Antiparasitic: Chloroquine
- 9 Drug acting on nervous system: Morphine, Diazepam
- 10 Hypnotics : Zolpidem
- 11 Neurodegenerative disease curing drugs : Levodopa
- 12 Anti fungal: Fluconazole

Methodology Used :

Student centric methods like experiential learning, participative learning for enhancing learning experiences via ICT/ classrooms/laboratories/ internet/ ICT enabled projectors/ library

Report of the certificate course on Chemistry in Daily life

2022-23



The Department of Chemistry of SAS GDC , Narayanapuram conducted certificate course in **Chemistry in Daily life** from 25.03.2023 to 30.04.2023 with 30 Hrs duration. Smt.G.Hephzibah acted as the instructor for the course and 38 Students of III B.Sc (MPC&BZC) enrolled for the course.

The course commenced on the AN of 25.03.2023.A total number of 30 instruction hours(Both Theory and practicals) were conducted to enhance the knowledge levels of the student on **Chemistry in Daily life**. As a part of this course, students were given hands on training at Dept. of Chemistry. The students observed different analytical techniques used in analysis of drugs virtually. Students observed the analysis of drugs using HPLC at PB Siddhartha college of arts and science on study visit to that college.

At the end of the course a test was conducted for 50 marks with 40% of marks(20 Marks) as eligibility criterion for the completion of the course. On the last day of the course certificates were issued to the students who had successfully completed the course.