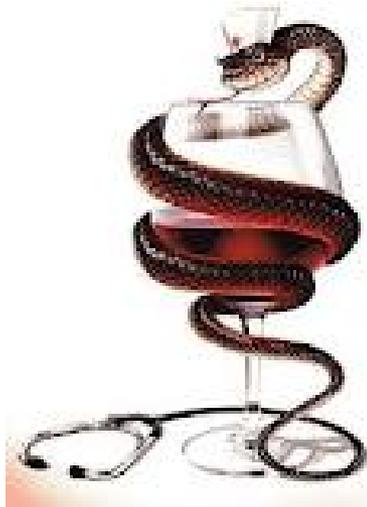


Pharmaceutical Technology Module

Discipline – 051103 - “Pharmacy”

Training Direction “Pharmacist-
Technologist”



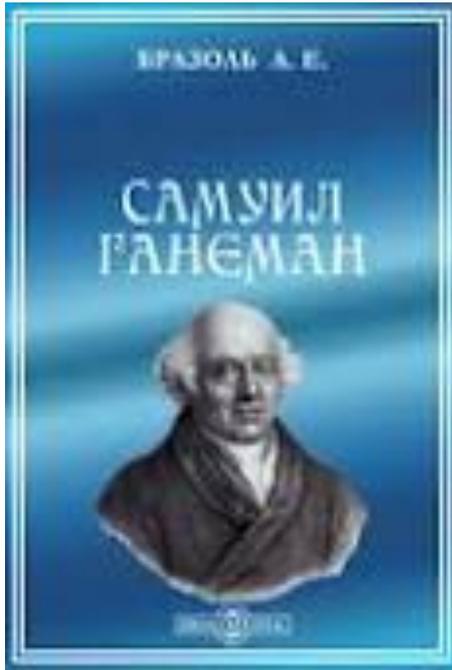
Cycle title:

“Homeopathic Medicines”

Number of credits: 2, 90 hours

Study period: semester 10

Timeliness of the elective discipline



The top priority of public policy of the Republic of Kazakhstan in the area of drug supply is the availability of accessible and high-quality medicines on pharmaceutical market. Homeopathy is one of various treatment methods. The increasing demand for the homeopathic medicines can be explained due to effectiveness of homeopathic treatments in different types of diseases. The other reason is that more and more people nowadays suffer from side effects of drastic synthetic drugs. Sales of homeopathic medicines have increased during 2006 by 40%, which is two times as many than comparing to allopathic medicines.

The majority of homeopathic medicines produced in different countries may be easily found in pharmacies and the cost is not very high particularly of medicines from Russia. The most important thing in achievement of effectiveness of the drug is to understand its unique feature comparing to common medicines.

The targets that pharmaceutical homeopathy sets for the pharmacists is the development and improvement of regulatory system, which justifies the production and quality control of the homeopathic medicines and also creation and development of manufacturing and druggist base of homeopathic medicines. Another goal is to expand the assortment of such type of medicines and to improve the quality control. In addition to make them accessible for ambulatory and hospital case patients.



Tutorials

Tasks for students:

1. preparation of homeopathic medicines,
2. tests,
3. solution of cases.

Students also learn the rules of preparation of homeopathic medicines using laboratory equipment and multimedia tutorials.



Student must know:

- ▶ Importance of the homeopathy in modern medicine;
- ▶ Basic objects in homeopathic medicines production;
- ▶ Basic methods of pharmacy and industrial production;
- ▶ Basic principles of homeopathy;
- ▶ Trial of medical therapy for ambulatory and hospital case patients;
- ▶ Manufacturing equipment for homeopathic production;
- ▶ Homeopathic production control methods;
- ▶ Methods of control and standardization of homeopathic medicines;
- ▶ packing, labeling and storage of homeopathic medicines.



Student must be able to:

- Use information materials to solve problems;
- Prepare triturations and mother tinctures;
- Understand and apply correctly homeopathic principles of similarity;
- Draw up process flow diagrams of homeopathic medicines;
- Conduct pharmaceutical expertise of recipe;
- Production of homeopathic medicines;
- Conduct standardization of medical products;
- Determine relationship between stability of homeopathic medicines and storage conditions, packing type;
- Inform and consult to homeopathic physician;
- Follow health and safety rules.



Responsibility:

- ▶ - Form theoretical background (cognitive component);
- ▶ - Learn the basic terminology and concepts of homeopathic processes and equipment, know fundamentals of preparation, storage, issue and quality assessment of homeopathic medicines production, be able to work with pharmaceutical equipment (operational component);
- ▶ - Adopt communicative skills for students (set forth forcefully, stand for his point of view, hold a discussion and etc.);
- ▶ - Put wise about specifications, which describe manufacturing process of medical products (State Pharmacopoeia of the Republic of Kazakhstan, legislations and etc.);
- ▶ - Motivate students for continuous improvement, development of their skills in self-reflection of the topic.

Summary of the Subject

Pharmaceutical homeopathy is a part of pharmaceutical science, where the main objects are homeopathic medicines produced using homeopathic technology. The medicines are applied in public health in accordance with homeopathic treatment principles. Generally, homeopathic medicines do not produce side effects as long as they are applied correctly. Thus, homeopathic medicines enhance protective functions of the body, producing systemic action instead of local action, when administering regularly and durably. The effectiveness of the medicines depends upon the choice of the medical product by the law of similarity, where the drug was produced by serial dilution and potentiating of activity. General principles of homeopathy are the key factor in correct preparation of homeopathic medicines.









