

**Attestation procedure
in the discipline "Pharmacognosy"
for students of the educational program
specialist in the specialty 33.05.01 Pharmacy,
direction (profile) Pharmacy,
form of study full-time
for the 2023-2024 academic year**

Attestation of students in the discipline "Pharmacognosy" is carried out in the form of examination (7th semester) in 2 stages.

The first stage is conducted in the form of testing in the scope of the discipline program. The final test is held on a separate day before the exam, established in accordance with the schedule. The student does 1 of 10 variants of test tasks, formed by random selection from the bank of test tasks. Test questions include theoretical material on general characteristics, classification, methods of analysis, pharmacological properties of groups of biologically active substances (BAS) and their plant sources. In addition, the tests include questions on the diagnosis of medicinal plant raw materials by description of external and microscopic features, as well as on its standardisation in accordance with the requirements of current regulatory documentation.

The second stage of interim certification in the discipline "Pharmacognosy" includes an interview on theoretical issues of pharmacognosy and special part of the subject, including the characteristics of medicinal plant raw materials by groups of BAS, and the practical part required to assess the formation of professional competencies.

Assessment of theoretical knowledge of students is carried out on tickets. Questions include material on the raw material base and standardisation of medicinal plant raw materials, classification, physicochemical properties of biologically active substances, methods of their isolation from medicinal plant raw materials, qualitative detection and quantitative analysis, methods of collection, drying and storage of medicinal plant raw materials, impurities to medicinal plant raw materials, chemical composition, pharmacological properties, use in medical practice and preparations of medicinal plant raw materials.

Students are familiarised in advance with the form of the examination; for preparation they are given a list of questions on these sections.

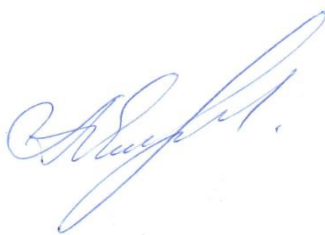
EXAMINATION CARD № 1

1. Verification of practical skills (conducted on separate tickets).
2. Definition of pharmacognosy as a science. Tasks of pharmacognosy, its relationship with related disciplines. The importance of pharmacognosy in the practical activity of pharmacologist.
3. Poppy soporific.
4. The pharmacy warehouse stores the raw material of the medicinal plant marena dye.

- 1) Give Russian and Latin names of medicinal plant raw materials, producing plant, family.
- 2) To which subgroup of biologically active substances do the active substances of this plant belong.
- 3) Specify the features of the chemical structure of the active substances of this subgroup.
- 3) Write the structural formulae of the main active substances of this subgroup.
- 4) Application of this medicinal plant raw material and preparations on its basis.

Considered at the meeting of the department of Pharmacognosy and Botany "26" May 2023, protocol No10.

Head of the Department



A.V.Yanitskaya