

Документ подписан простой электронной подписью

Информация о владельце:

ФИО: Кубанов Сергей Исмаилович

Должность: и.о. декана медико-биологического факультета

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**MINISTRY OF SCIENCE AND HIGHER EDUCATION**

**RUSSIAN FEDERATION**

**Federal State Autonomous Educational Institution of Higher Education**

**NORTH-CAUCASUS FEDERAL UNIVERSITY**

**APPROVED**

**Assoc. Prof. Kubanov S.I.**

**PhD in Medical Sciences**

**Dean**

**Faculty of Medicine and Biology**

## **ASSESSMENT TOOLS FUND FOR THE DISCIPLINE**

**«Practical Training for Acquiring Professional Skills and Experience in Professional Activities in the Positions of Mid-Level Medical Personnel»**

*Name of the discipline (module)*

- Specialty: 31.05.01 General Medicine
- Mode of training: Full-time
- Year of commencement of studies: 2026
- Delivered in Semester 6.

## **Introduction**

1. The Assessment Tools Fund (ATF) is designed for conducting ongoing monitoring and interim certification in the practical training for acquiring professional skills and experience in professional activities in the positions of mid-level medical personnel for students of specialty 31.05.01 General Medicine.

2. The ATF is an appendix to the practical training program "Practical Training for Acquiring Professional Skills and Experience in Professional Activities in the Positions of Mid-Level Medical Personnel."

3. Developer: Cand. Sci. (Med.) G.S. Ivchenko, Acting Head of the Department of Propaedeutics of Internal Diseases;

4. An expert review of the ATF has been conducted.  
Members of the expert group:

Chairperson: Cand. Sci. (Med.), Cand. Sci. (Biol.) T.A. Pakhomova, Chairperson of the Educational and Methodological Commission of the Faculty of Medicine and Biology

Members of the commission: S.M. Kotelevets, Professor of the Department of Propaedeutics of Internal Diseases; Cand. Sci. (Biol.), Associate Professor E.V. Denisova, Acting Deputy Dean for Academic Affairs of the Faculty of Medicine and Biology;

Employer organization representative: Vilensky I.L., Chief Physician of Independent CDL, LLC

Expert conclusion – the ATF allows evaluating the level of competency levels and is recommended to be employed in the educational process.

5. The validity period for the ATF shall be determined by the period of implementation of the educational program.

**1. Description of Evaluation Criteria at Various Stages of Their Formation, Description of Evaluation Scales**

| Levels of formation of competence(s), indicator(s)                                                                                                                                                                                                                                                                                            | Descriptors                                                                              |                                                                         |                                                                                                  |                                                                                                                                                                 |
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|                                                                                                                                                                                                                                                                                                                                               | Minimum level not achieved (Unsatisfactory) 2 points                                     | Minimum level (Satisfactory) 3 points                                   | Intermediate level (Good) 4 points                                                               | High level (Excellent) 5 points                                                                                                                                 |
| <b>Competency: UC-2</b>                                                                                                                                                                                                                                                                                                                       |                                                                                          |                                                                         |                                                                                                  |                                                                                                                                                                 |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1</b><br>UC-2 formulates the goal of the project, determines a set of interrelated tasks ensuring its achievement, and determines the expected results of solving the tasks | Does not define the goal of the project, does not determine a set of interrelated tasks. | Defines the goal of the project, determines a set of interrelated tasks | Defines the goal of the project, determines a set of interrelated tasks ensuring its achievement | Defines the goal of the project, determines a set of interrelated tasks ensuring its achievement, and determines the expected results of solving the tasks      |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-2</b><br>UC-2 develops an action plan for solving project tasks, choosing the optimal way to solve them, based on current legal                                             | Does not develop an action plan for solving project tasks                                | Develops an action plan for solving project tasks                       | Develops an action plan for solving project tasks, choosing the optimal way to solve them        | Develops an action plan for solving project tasks, choosing the optimal way to solve them, based on current legal norms and available resources and constraints |

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| norms and available resources and constraints                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |                                                                                          |                                                                                                                                                              |                                                                                                                                                                                                          |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-3 UC-2</b> ensures project execution in accordance with the established goals, deadlines, and costs, based on current legal norms, available resources, and constraints, including using digital tools                                                                        | Does not ensure project execution                 | Ensures project execution in accordance with the established goals, deadlines, and costs | Ensures project execution in accordance with the established goals, deadlines, and costs, based on current legal norms, available resources, and constraints | Ensures project execution in accordance with the established goals, deadlines, and costs, based on current legal norms, available resources, and constraints, including using digital tools              |
| <b>Competency: UC-3</b>                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                   |                                                                                          |                                                                                                                                                              |                                                                                                                                                                                                          |
| <b>Learning outcomes for the discipline (module):</b><br>Readiness for communication in verbal and written forms. Readiness to act in non-standard situations, to choose methods of protection in emergency situations.<br><b>Indicator: ID-1 UC-3</b> participates in interpersonal and group interaction, using an inclusive approach, effective communication, methods of team building and team interaction when working jointly within the | Does not join interpersonal and group interaction | Joins interpersonal and group interaction, using an inclusive approach                   | Joins interpersonal and group interaction, using an inclusive approach, effective communication, methods of team building and team interaction               | Joins interpersonal and group interaction, using an inclusive approach, effective communication, methods of team building and team interaction when working jointly within the framework of the set task |

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| framework of the set task                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                                                           |                                                                                                                           |                                                                                                                                                                                                                       |
| <p><b>Learning outcomes for the discipline (module):</b><br/>Readiness for communication in verbal and written forms. Readiness to act in non-standard situations, to choose methods of protection in emergency situations.</p> <p><b>Indicator: ID-2 UC-3</b> ensures team work to obtain optimal results of joint work, taking into account the individual capabilities of its members, using success methodologies, methods, information technologies, and foresight technologies</p> | Does not ensure team work to obtain optimal results | Ensures team work to obtain optimal results of joint work | Ensures team work to obtain optimal results of joint work, taking into account the individual capabilities of its members | Ensures team work to obtain optimal results of joint work, taking into account the individual capabilities of its members, using success methodologies, methods, information technologies, and foresight technologies |
| <p><b>Learning outcomes for the discipline (module):</b><br/>Readiness for communication in verbal and written forms. Readiness to act in non-standard situations, to choose methods of protection in emergency situations.</p> <p><b>Indicator: ID-3 UC-3</b> ensures the execution of the tasks set based on monitoring team work and timely</p>                                                                                                                                       | Does not ensure the execution of the tasks set      | Ensures the execution of the tasks set                    | Ensures the execution of the tasks set based on monitoring team work                                                      | Ensures the execution of the tasks set based on monitoring team work and timely response to significant deviations                                                                                                    |

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| response<br>significant<br>deviations                                                                                                                                                                                                                                                                                                                  | to                                                            |                                                                                                                 |                                                                                                                                              |                                                                                                                                                                                                                                                                  |  |
| <b>Competency: UC-4</b>                                                                                                                                                                                                                                                                                                                                |                                                               |                                                                                                                 |                                                                                                                                              |                                                                                                                                                                                                                                                                  |  |
| <b>Learning outcomes for the discipline (module):</b><br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-1 UC-4</b> Selects an acceptable style of business communication in the official state language(s) and foreign language(s), verbal and non-verbal means of interaction with partners in verbal and written forms | Does not select an acceptable style of business communication | Selects an acceptable style of business communication in the official state language(s) and foreign language(s) | Selects an acceptable style of business communication in the official state language(s) and foreign language(s), verbal and non-verbal means | Selects an acceptable style of business communication in the official state language(s) and foreign language(s), verbal and non-verbal means of interaction with partners in verbal and written forms                                                            |  |
|                                                                                                                                                                                                                                                                                                                                                        | Does not use information and communication technologies       | Uses information and communication technologies to increase efficiency                                          | Uses information and communication technologies to increase the efficiency of professional interaction                                       | Uses information and communication technologies to increase the efficiency of professional interaction, and to search for necessary information in the process of solving standard communicative tasks in the official state language(s) and foreign language(s) |  |

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| foreign language(s).                                                                                                                                                                                                                                                                                                                                                                           |                                                                                            |                                                                                    |                                                                                                                                                           |                                                                                                                                                                                                     |
| <b>Learning outcomes for the discipline (module):</b><br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-3 UC-4</b> assesses the effectiveness of applied communication technologies in professional interaction in the official state language(s) and foreign language(s), and makes the selection of the optimal ones.                                          | Does not assess the effectiveness of applied communication technologies                    | Assesses the effectiveness of applied communication technologies                   | Assesses the effectiveness of applied communication technologies in professional interaction in the official state language(s) and foreign language(s)    | Assesses the effectiveness of applied communication technologies in professional interaction in the official state language(s) and foreign language(s), and makes the selection of the optimal ones |
| <b>Competency: UC-7</b>                                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |                                                                                    |                                                                                                                                                           |                                                                                                                                                                                                     |
| <b>Learning outcomes for the discipline (module):</b><br>Raising a comprehensively developed personality.<br>Readiness to act in non-standard situations, to choose methods of protection in emergency situations.<br><b>Indicator: ID-1 UC-7</b> selects health-saving technologies to ensure full social and professional activity, taking into account the physiological characteristics of | Does not select health-saving technologies to ensure full social and professional activity | Selects health-saving technologies to ensure full social and professional activity | Selects health-saving technologies to ensure full social and professional activity, taking into account the physiological characteristics of the organism | Selects health-saving technologies to ensure full social and professional activity, taking into account the physiological characteristics of the organism and living conditions                     |

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| the organism and living conditions.                                                                                                                                                                                                                                                                                                                                                                |                                                        |                                                |                                                                                                |                                                                                                                                                   |
| <b>Learning outcomes for the discipline (module):</b><br>Raising a comprehensively developed personality.<br>Readiness to act in non-standard situations, to choose methods of protection in emergency situations.<br><b>Indicator: ID-2</b><br>UC-7 plans their working and free time for an optimal combination of physical and mental load and ensuring work capacity in professional activity. | Does not plan their working and free time              | Plans their working and free time              | Plans their working and free time for an optimal combination of physical and mental load       | Plans their working and free time for an optimal combination of physical and mental load and ensuring work capacity in professional activity      |
| <b>Learning outcomes for the discipline (module):</b><br>Raising a comprehensively developed personality.<br>Readiness to act in non-standard situations, to choose methods of protection in emergency situations.<br><b>Indicator: ID-3</b><br>UC-7 maintains the proper level of physical fitness to ensure full social and professional activity and                                            | Does not maintain the proper level of physical fitness | Maintains the proper level of physical fitness | Maintains the proper level of physical fitness to ensure full social and professional activity | Maintains the proper level of physical fitness to ensure full social and professional activity and complies with the norms of a healthy lifestyle |

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| complies with the norms of a healthy lifestyle.                                                                                                                                                                                                                                              |                                                |                                        |                                                                                           |                                                                                                                                        |
| <b>Competency: GPC-1</b>                                                                                                                                                                                                                                                                     |                                                |                                        |                                                                                           |                                                                                                                                        |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1</b><br><b>GPC-1</b> Uses the basic norms of medical law                                                                  | Does not use                                   | Uses                                   | Uses the basic norms                                                                      | Uses the basic norms of medical law                                                                                                    |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-2</b><br><b>GPC-1</b> Applies ethical and deontological principles in practice, uses knowledge of the history of medicine. | Does not apply ethical principles in practice  | Applies ethical principles in practice | Applies ethical and deontological principles in practice                                  | Applies ethical and deontological principles in practice, uses knowledge of the history of medicine                                    |
| <b>Competency: GPC-2</b>                                                                                                                                                                                                                                                                     |                                                |                                        |                                                                                           |                                                                                                                                        |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1</b><br><b>GPC-2</b> Uses various techniques and                                                                          | Does not employ various techniques and methods | Employs various techniques and methods | Employs various techniques and methods to disseminate knowledge about a healthy lifestyle | Employs various techniques and methods to spread knowledge about a healthy lifestyle and sanitary-hygienic education of the population |

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| methods to disseminate knowledge about a healthy lifestyle and sanitary-hygienic education of the population.                                                                                                                                                                                                                                 |                                                                      |                                                              |                                                                                                          |                                                                                                                                                          |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-2 GPC-2</b><br>Demonstrates the ability to identify priority problems and risks to the health of the patient (population)                                                   | Does not demonstrate the ability                                     | Demonstrates the ability                                     | Demonstrates the ability to identify priority problems                                                   | Demonstrates the ability to identify priority problems and risks to the health of the patient (population)                                               |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-3 GPC-2</b><br>Develops and participates in conducting preventive measures with the aim of increasing the health level and preventing diseases of the patient (population). | Neither develops nor joins the implementation of preventive measures | Develops and joins the implementation of preventive measures | Develops and joins the implementation of preventive measures with the aim of increasing the health level | Develops and joins the implementation of preventive measures aiming to increase the health level and prevent diseases affecting the patient (population) |
| <b>Competency: GPC-4</b>                                                                                                                                                                                                                                                                                                                      |                                                                      |                                                              |                                                                                                          |                                                                                                                                                          |

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| <b>Learning outcomes for the discipline (module):</b><br>Development of clinical thinking.<br><b>Indicator: ID-1</b><br><b>GPC-4</b> Applies medical technologies, medical devices, medicinal drugs, disinfectants, and their combinations when solving professional tasks   | Does not apply medical technologies                       | Applies medical technologies                       | Applies medical technologies, medical devices, medicinal drugs                                                                 | Applies medical technologies, medical devices, medicinal drugs, disinfectants, and their combinations when solving professional tasks                      |
| <b>Learning outcomes for the discipline (module):</b><br>Development of clinical thinking.<br><b>Indicator: ID-2</b><br><b>GPC-4</b> Applies diagnostic instrumental examination methods with the aim of establishing a diagnosis                                            | Applies diagnostic instrumental methods                   | Applies diagnostic instrumental methods            | Applies diagnostic instrumental examination methods                                                                            | Applies diagnostic instrumental examination methods with the aim of establishing a diagnosis                                                               |
| <b>Competency: GPC-5</b>                                                                                                                                                                                                                                                     |                                                           |                                                    |                                                                                                                                |                                                                                                                                                            |
| <b>Learning outcomes for the discipline (module):</b><br>Development of clinical thinking.<br><b>Indicator: ID-1</b><br><b>GPC-5</b> Assesses morphofunctional and physiological states and processes in the human body at individual, group, and population levels to solve | Does not assess morphofunctional and physiological states | Assesses morphofunctional and physiological states | Assesses morphofunctional and physiological states and processes in the human body at individual, group, and population levels | Assesses morphofunctional and physiological states and processes in the human body at individual, group, and population levels to solve professional tasks |

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| professional tasks.                                                                                                                                                                                                                                                                                                                    |                                       |                                |                                                                |                                                                                            |
| <b>Learning outcomes for the discipline (module):</b><br>Development of clinical thinking.<br><b>Indicator: ID-2</b><br><b>GPC-5</b> Identifies pathological states and processes in the human body to solve professional tasks                                                                                                        | Does not identify pathological states | Identifies pathological states | Identifies pathological states and processes in the human body | Identifies pathological states and processes in the human body to solve professional tasks |
| <b>Competency: GPC-6</b>                                                                                                                                                                                                                                                                                                               |                                       |                                |                                                                |                                                                                            |
| <b>Learning outcomes for the discipline (module):</b><br>Readiness to act in non-standard situations, to choose methods of protection in emergency situations.<br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1</b><br><b>GPC-6</b> Is capable of organizing patient care | Not capable of making arrangements    | Capable making arrangements    | Capable of arranging care                                      | Capable of arranging patient care                                                          |
| <b>Learning outcomes for the discipline (module):</b><br>Readiness to act in non-standard situations, to choose methods of protection in emergency situations.<br>Acquisition of                                                                                                                                                       | Does not provide care                 | Provides care                  | Provides primary care                                          | Provides primary health care                                                               |

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| special medical skills and their application in practical healthcare.<br><b>Indicator: ID-2</b><br><b>GPC-6</b> Provides primary health care                                                                                                                                    |                                                              |                                                      |                                                                                                                                                                         |                                                                                                                                                                         |
| <b>Indicator: ID-3</b><br><b>GPC-6</b> Is capable of making professional decisions in emergency conditions at the pre-hospital stage, in conditions of emergencies, epidemics, and in centers of mass destruction                                                               | Not capable of making professional decisions                 | Capable of making professional decisions             | Capable of making professional decisions in emergency conditions at the pre-hospital stage, in conditions of emergencies, epidemics, and in centers of mass destruction | Capable of making professional decisions in emergency conditions at the pre-hospital stage, in conditions of emergencies, epidemics, and in centers of mass destruction |
| <b>Competency: GPC-8</b>                                                                                                                                                                                                                                                        |                                                              |                                                      |                                                                                                                                                                         |                                                                                                                                                                         |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1</b><br><b>GPC-8</b> Compiles an individual plan of rehabilitation care together with the patient and family | Does not design an individual plan                           | Designs an individual plan                           | Designs an individual plan of rehabilitation care                                                                                                                       | Designs an individual plan of rehabilitation care together with the patient and family                                                                                  |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in                                                                                                                                                         | Does not monitor the effectiveness of medical rehabilitation | Monitors the effectiveness of medical rehabilitation | Monitors the effectiveness of the patient's medical rehabilitation, including during the implementation                                                                 | Monitors the effectiveness of the patient's medical rehabilitation, including during the implementation of individual                                                   |

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| <p>practical healthcare.</p> <p><b>Indicator: ID-2</b></p> <p><b>GPC-8</b> Monitors the effectiveness of medical rehabilitation of the patient, including during the implementation of individual programs for patient rehabilitation</p>                                                                                                                                         |                                                                |                                                        | of individual programs                                                                                         | programs for patient rehabilitation                                                                                                                            |
| <p><b>Learning outcomes for the discipline (module):</b></p> <p>Acquisition of special medical skills and their application in practical healthcare.</p> <p><b>Indicator: ID-3</b></p> <p><b>GPC-8</b></p> <p>Organizes the workspace and a safe hospital environment, trains the family in adapting the residential premises to the needs of the patient and disabled person</p> | Does not arrange the workspace and a safe hospital environment | Arranges the workspace and a safe hospital environment | Arranges the workspace and a safe hospital environment, trains the family in adapting the residential premises | Arranges the workspace and a safe hospital environment, trains the family in adapting the residential premises to the needs of the patient and disabled person |
| <b>Competency: GPC-9</b>                                                                                                                                                                                                                                                                                                                                                          |                                                                |                                                        |                                                                                                                |                                                                                                                                                                |
| <p><b>Learning outcomes for the discipline (module):</b></p> <p>Acquisition of special medical skills and their application in practical healthcare.</p> <p>Readiness for communication</p>                                                                                                                                                                                       | Does not apply organizational and management documents         | Apply organizational and management documents          | Applies organizational, management, and regulatory documentation                                               | Applies organizational, management, and regulatory documentation in their activity                                                                             |

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| in verbal and written forms.<br><b>Indicator: ID-1</b><br><b>GPC-9</b> Applies organizational, managerial, and regulatory documentation in their activity                                                                                                                                                                           |                                       |                                |                                                                 |                                                                                                                     |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-2</b><br><b>GPC-9</b> Solves professional tasks using the principles of the quality management system | Does not solve professional tasks     | Solves professional tasks      | Solves professional tasks using principles                      | Solves professional tasks using the principles of the quality management system                                     |
| <b>Competency: GPC-10</b>                                                                                                                                                                                                                                                                                                           |                                       |                                |                                                                 |                                                                                                                     |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-1</b><br><b>GPC-10</b><br>Conducts documentation support of professional                              | Does not carry out documentation work | Carries out documentation work | Carries out documentation work to support professional activity | Carries out documentation work to support professional activity taking into account modern information technologies |

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| activity taking into account modern information technologies                                                                                                                                                                                                                                                                                                 |                                                         |                                                         |                                                                                                  |                                                                                                                                                            |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-2 GPC-10</b> Uses algorithms for solving standard organizational tasks using information technologies in professional activity | Employs algorithms for solving in professional activity | Employs algorithms for solving in professional activity | Employs algorithms for solving standard organizational tasks in professional activity            | Employs algorithms for solving standard organizational tasks using information technologies in professional activity                                       |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-3 GPC-10</b> Conducts an effective search for information necessary to solve tasks of professional activity, using             | Does not carry out an effective search for information  | Carries out an effective search for information         | Carries out an effective search for information required to solve tasks of professional activity | Carries out an effective search for information required to solve tasks of professional activity, using legal reference systems and professional databases |

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| legal reference systems and professional databases                                                                                                                                                                                                                                                                                                                                                 |                                   |                           |                                                                                                                                                       |                                                                                                                                                                                |
| <b>Competency: GPC-11</b>                                                                                                                                                                                                                                                                                                                                                                          |                                   |                           |                                                                                                                                                       |                                                                                                                                                                                |
| <b>Learning outcomes for the discipline (module):</b><br>Development of clinical thinking. Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1 GPC-11</b><br>Demonstrates the capacity to prepare and apply scientific, research-and-production, project, organizational, managerial, and regulatory documentation in professional activity | Does not demonstrate the capacity | Demonstrates the capacity | Demonstrates the capacity to prepare and apply scientific, research-and-production, project, organizational, management, and regulatory documentation | Demonstrates the capacity to prepare and apply scientific, research-and-production, project, organizational, management, and regulatory documentation in professional activity |
| <b>Learning outcomes for the discipline (module):</b><br>Development of clinical thinking. Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-2 GPC-11</b><br>Demonstrates the skill to apply modern techniques for collecting and processing                                                                                                | Does not demonstrate the skill    | Demonstrates the skill    | Demonstrates the skill of applying modern techniques for collecting and processing information                                                        | Demonstrates the skill of applying modern techniques for collecting and processing information necessary for conducting scientific research                                    |

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| information necessary for conducting scientific research                                                                                                                                                                                                                                                                                                                                                                      |                                                |                                            |                                                                                 |                                                                                                                                                               |
| <b>Competency: PC-1</b>                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |                                            |                                                                                 |                                                                                                                                                               |
| <b>Learning outcomes for the discipline (module):</b><br>Readiness to act in non-standard situations, to choose methods of protection in emergency situations.<br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1 PC-1</b> Is capable of conducting therapeutic measures when rendering emergency medical care in conditions requiring urgent medical intervention | Not capable of delivering therapeutic measures | Capable of delivering therapeutic measures | Capable of delivering therapeutic measures when offering emergency medical care | Capable of delivering therapeutic measures when offering emergency medical care in conditions requiring urgent medical intervention                           |
| <b>Learning outcomes for the discipline (module):</b><br>Readiness to act in non-standard situations, to choose methods of protection in emergency situations.<br>Acquisition of special medical skills and their application in practical healthcare.                                                                                                                                                                        | Does not know how to identify conditions       | Knows how to identify conditions           | Knows how to identify conditions requiring medical care                         | Knows how to identify conditions requiring medical care in an emergency form, including clinical signs of sudden failure of blood circulation and respiration |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                  |                                                                                                           |                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                             |
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| <p><b>Indicator: ID-2 PC-1</b> Knows how to identify conditions requiring the provision of medical care in an emergency form, including clinical signs of sudden cessation of blood circulation and respiration</p>                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                  |                                                                                                           |                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                             |
| <p><b>Learning outcomes for the discipline (module):</b><br/>Readiness to act in non-standard situations, to choose methods of protection in emergency situations.<br/>Acquisition of special medical skills and their application in practical healthcare.</p> <p><b>Indicator: ID-3 PC-1</b> Possesses skills for assessing the condition of a patient requiring the provision of medical care in an emergency form, skills for recognizing conditions that pose a threat to the patient's life, including states of clinical death (cessation of vital functions of the human body (blood circulation and/or</p> | <p>Does not possess skills for assessing the patient's condition requiring medical care in an emergency form</p> | <p>Possesses skills for assessing the patient's condition requiring medical care in an emergency form</p> | <p>Possesses skills for assessing the patient's condition requiring medical care in an emergency form, skills for recognizing conditions that pose a threat to the patient's life</p> | <p>Possesses skills for assessing the patient's condition requiring medical care in an emergency form, skills for recognizing conditions that pose a threat to the patient's life, including states of clinical death (failure of vital functions of the human body (blood circulation and/or respiration), requiring medical care in an emergency form</p> |

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| respiration),<br>requiring the<br>provision of<br>medical care in<br>an emergency<br>form                                                                                                                                                                         |                                                                                                                              |                                                                                                                      |                                                                                                                      |                                                                                                                                                     |
| <b>Competency: PC-2</b>                                                                                                                                                                                                                                           |                                                                                                                              |                                                                                                                      |                                                                                                                      |                                                                                                                                                     |
| <b>Learning outcomes for the discipline (module):</b><br>Development of clinical thinking.<br><b>Indicator: ID-1 PC-2</b> Knows how to carry out the collection of complaints, anamnesis of life, and disease of the patient and analyze the information obtained | Does not know how to carry out the collection of details concerning the patient's complaints, anamnesis of life, and disease | Knows how to carry out the collection of details concerning the patient's complaints, anamnesis of life, and disease | Knows how to carry out the collection of details concerning the patient's complaints, anamnesis of life, and disease | Knows how to carry out the collection of details concerning complaints, anamnesis of life, and disease, and how to analyze the information obtained |
| <b>Learning outcomes for the discipline (module):</b><br>Development of clinical thinking.<br><b>Indicator: ID-2 PC-2</b> Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results    | Does not carry out a complete physical examination of the patient                                                            | Carries out a complete physical examination of the patient                                                           | Carries out a complete physical examination of the patient (inspection, palpation, percussion, auscultation)         | Carries out a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results             |
| <b>Learning outcomes for the discipline (module):</b><br>Development of clinical thinking.<br><b>Indicator: ID-3 PC-2</b> Defines a preliminary diagnosis and                                                                                                     | Does not define a preliminary diagnosis                                                                                      | Defines a preliminary diagnosis                                                                                      | Defines a preliminary diagnosis and compiles a plan for laboratory examinations                                      | Defines a preliminary diagnosis and compiles a plan for laboratory and instrumental examinations                                                    |

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| compiles a plan for laboratory and instrumental examinations of the patient                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                             |                                                                                                         |                                                                                                                                                             |                                                                                                                                                                                                                                                                                    |
| <b>Competency: PC-3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                             |                                                                                                         |                                                                                                                                                             |                                                                                                                                                                                                                                                                                    |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1</b><br><b>PC-3</b> Is capable of building an algorithm and selecting criteria for determining the main pathological states, syndromes, and diseases in patients of various profiles in accordance with the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10) | Not capable of building an algorithm and selecting criteria for identifying various profiles in the patient | Capable of building an algorithm and selecting criteria for identifying various profiles in the patient | Capable of building an algorithm and selecting criteria for identifying the patient's various profiles of main pathological conditions, syndromes, diseases | Capable of building an algorithm and selecting criteria for identifying the patient's various profiles of main pathological conditions, syndromes, diseases following the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10) |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-2</b><br><b>PC-3</b> Identifies main                                                                                                                                                                                                                                                                                  | Does not identify main pathological symptoms                                                                | Identifies main pathological symptoms                                                                   | Identifies main pathological symptoms and syndromes, defines a clinical diagnosis                                                                           | Identifies main pathological symptoms and syndromes, defines a clinical diagnosis subject to ICD-10                                                                                                                                                                                |

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| pathological symptoms and syndromes, formulates a clinical diagnosis in accordance with ICD-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                           |                                                                       |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Competency: PC-6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                           |                                                                       |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1 PC-6</b> Is capable of planning measures for medical rehabilitation of the patient, determining medical indications and contraindications for carrying them out, taking into account the diagnosis in accordance with current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account standards of medical care | Not capable of planning measures for the patient's medical rehabilitation | Capable of planning measures for the patient's medical rehabilitation | Capable of planning measures for the patient's medical rehabilitation, determining medical indications and contraindications for carrying them out, taking into account the diagnosis following current procedures for offering medical care | Capable of planning measures for the patient's medical rehabilitation, determining medical indications and contraindications for carrying them out, taking into account the diagnosis following current procedures for offering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account standards of medical care |
| <b>Learning outcomes for the discipline (module):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Does not determine medical indications for                                | Determines medical indications for conducting                         | Determines medical indications for conducting                                                                                                                                                                                                | Determines medical indications for conducting                                                                                                                                                                                                                                                                                                                                   |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                         |                                                                                                                            |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                 |
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| <p>Acquisition of special medical skills and their application in practical healthcare.</p> <p><b>Indicator: ID-2</b></p> <p><b>PC-6</b> Determines medical indications for conducting medical rehabilitation measures, including during the implementation of an individual program of rehabilitation or habilitation of disabled persons, in accordance with current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account standards of medical care</p> | <p>conducting medical rehabilitation measures</p>                                                                       | <p>medical rehabilitation measures</p>                                                                                     | <p>medical rehabilitation measures, including during the implementation of an individual program of rehabilitation or habilitation of disabled persons, in accordance with current procedures for rendering medical care</p> | <p>medical rehabilitation measures, including during the implementation of an individual program of rehabilitation or habilitation of disabled persons, in accordance with current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account standards of medical care</p> |
| <b>Competency: PC-7</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |                                                                                                                            |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                 |
| <p><b>Learning outcomes for the discipline (module):</b></p> <p>Acquisition of special medical skills and their application in practical healthcare.</p> <p><b>Indicator: ID-1</b></p> <p><b>PC-7</b> Is capable of assessing medical</p>                                                                                                                                                                                                                                                                                                           | <p>Not capable of assessing medical indications and medical contraindications for the methods of disease prevention</p> | <p>Capable of assessing medical indications and medical contraindications for the use of methods of disease prevention</p> | <p>Capable of assessing medical indications and medical contraindications for the use of methods of prevention of diseases and (or) conditions, preventive measures taking into</p>                                          | <p>Capable of assessing medical indications and medical contraindications for the use of methods of prevention of diseases and (or) conditions, preventive measures taking into account the</p>                                                                                                                                                                 |

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| indications and medical contraindications for the use of methods of prevention of diseases and (or) conditions, preventive measures taking into account the diagnosis in accordance with current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account standards of medical care |                                                                   |                                                            | account the diagnosis in accordance with current procedures for rendering medical care                                              | diagnosis following current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account standards of medical care |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-2 PC-7</b> Applies principles of specific and non-specific prevention of infectious diseases, the national calendar of preventive vaccinations, including according to epidemic indications             | Does not apply principles of specific and non-specific prevention | Applies principles of specific and non-specific prevention | Applies principles of specific and non-specific prevention of infectious diseases, the national calendar of preventive vaccinations | Applies principles of specific and non-specific prevention of infectious diseases, the national calendar of preventive vaccinations, including according to epidemic indications                     |

| <b>Competency: PC-8</b>                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |                                                          |                                                                                                       |                                                                                                                                                                                                               |
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| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-1 PC-8</b> Is capable of clearly presenting in popular terms the significance of risk factors in diseases of internal organs and measures for prevention of exacerbations | Not capable of clearly presenting in popular terms                      | Capable of clearly presenting in popular terms           | Capable of clearly presenting in popular terms the significance of risk factors                       | Capable of clearly presenting in popular terms the significance of risk factors in diseases of internal organs and measures for exacerbation prevention                                                       |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-2 PC-8</b> Identifies characteristics, determines the forms and methods of educational activity of medical workers among patients and the                                 | Does not identify characteristics, does not determine forms and methods | Identifies characteristics, determines forms and methods | Identifies characteristics, determines forms and methods of educational activity of medical employees | Identifies characteristics, determines the forms and methods of educational activity of medical employees among patients and the population to eliminate risk factors and shape skills of a healthy lifestyle |

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| population to eliminate risk factors and form skills of a healthy lifestyle                                                                                                                                                                                                                                                                                                             |                                                                                                                     |                                                                                                              |                                                                                                                                                                                          |                                                                                                                                                                                                                                                                        |
| <b>Competency: PC-9</b>                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                     |                                                                                                              |                                                                                                                                                                                          |                                                                                                                                                                                                                                                                        |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-1 PC-9</b> Is capable of applying principles of monitoring the performance of job duties by a local community nurse and other medical workers at disposal | Not capable of applying principles of monitoring the performance of job duties                                      | Capable of applying principles of monitoring the performance of job duties                                   | Capable of applying principles of monitoring the performance of job duties by a local community nurse and others                                                                         | Capable of applying principles of monitoring the performance of job duties by a local community nurse and other available medical employees                                                                                                                            |
| <b>Learning outcomes for the discipline (module):</b><br>Acquisition of special medical skills and their application in practical healthcare.<br>Readiness for communication in verbal and written forms.<br><b>Indicator: ID-2 PC-9</b> Conducts an assessment of the efficiency of modern medical-organizational and socio-                                                           | Does not carry out an assessment of the efficiency of modern medical-organizational and socio-economic technologies | Carries out an assessment of the efficiency of modern medical-organizational and socio-economic technologies | Carries out an assessment of the efficiency of modern medical-organizational and socio-economic technologies when rendering medical care, uses principles of organization and management | Carries out an assessment of the efficiency of modern medical-organizational and socio-economic technologies when rendering medical care, uses principles of organization and management in the field of people's health protection in medical organizations and their |

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| economic technologies when rendering medical care, uses principles of organization and management in the field of citizens' health protection in medical organizations and their structural subdivisions                                                                                                              |                                 |                               |                                                   | structural subdivisions                                           |
| <b>Competency: PC-10</b>                                                                                                                                                                                                                                                                                              |                                 |                               |                                                   |                                                                   |
| <b>Learning outcomes for the discipline (module):</b><br>Readiness for communication in verbal and written forms. Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-1</b><br><b>PC-10</b> Conducts calculation and analyzes indicators of medical care quality | Neither calculates not analyzes | Does calculation and analyzes | Does calculation and analyzes quality indicators  | Does calculation and analyzes indicators of medical care quality  |
| <b>Learning outcomes for the discipline (module):</b><br>Readiness for communication in verbal and written forms. Acquisition of special medical skills and their application in practical healthcare.<br><b>Indicator: ID-2</b><br><b>PC-10</b> Develops                                                             | Does develop not measures       | Develops measures             | Develops measures aimed at increasing the quality | Develops measures aimed at increasing the quality of medical care |

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| measures aimed at increasing the quality of medical care |  |  |  |  |
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### Criteria for assessing competencies

An "**excellent**" grade is given to a student if the report is complete, correct, demonstrating the ability to select sources of knowledge and use them rationally; the content of the tasks is correctly disclosed, logic in the description and characterization of the material is observed. The formulation of conclusions is correct and substantiated; fluent possession of empirical knowledge; knowledge of additional literature; active participation in all forms of work. The entire planned scope of work is completed on time and at a high level in accordance with the practical training plan. The student has demonstrated the ability to correctly define and effectively solve the main tasks.

A "**good**" grade is given to a student if the report meets the previously mentioned requirements, but has inaccuracies in the presentation of the theoretical material or in the conclusions, empirical knowledge is not presented in full. All shortcomings of the answer are corrected by additional questions during the defense of the report. The student has fully completed the work program planned for the period of practical training, has demonstrated the ability to determine the main tasks and ways to solve them, and has shown initiative in the work.

A "**satisfactory**" grade is given to a student if the report is correct, showing mastery of the main material of the subject, but there is no clarity in the presentation of theoretical knowledge, there are difficulties in conclusions and formulations, violations of the logic of the presentation of the material, errors in the presentation of empirical knowledge. The student has not demonstrated deep knowledge of theory and the ability to apply it in practice, and has made mistakes in planning and solving tasks.

An "**unsatisfactory**" grade is given to a student if the report is compiled incorrectly, the main content of the theoretical material is not disclosed, which corresponds to the inability to select and use the main sources of information; logic in the description and characterization of objects is not observed; incorrect formulation of conclusions; gross errors in empirical knowledge of the subject; no interest in academic work is shown. A student who has not completed the practical training program, has not prepared a report, and has made mistakes during the practical training.

## 2. Assessment tools for the practical training.

### 2.1. Tasks that allow assessing the knowledge acquired during the practical training.

| Competencies to be developed, indicators                 |                                                                                                                               | Task formulation |                                                                                                                                                                   |
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| competency code                                          | Formulations                                                                                                                  |                  |                                                                                                                                                                   |
| IA-1<br>UC-2,<br>IA-2<br>UC-2,<br>IA-3<br>UC-2,<br>IA-1, | Able to manage a project at all stages of its life cycle.                                                                     | Task 1           | A general safety briefing and a briefing at each workplace for each type of work performed are conducted, which the student must master and sign in the protocol. |
|                                                          |                                                                                                                               | Task 2           | Fundamentals of clinical laboratory diagnostics, general and medical biochemistry                                                                                 |
| UC-3,<br>IA-2<br>UC-3,<br>IA-3<br>UC-3,<br>IA-1,         | Able to organize and manage the work of a team, developing a team strategy to achieve a set goal.                             | Task 3           | To independently analyze information                                                                                                                              |
| UC-4,<br>IA-2<br>UC-4,<br>IA-3<br>UC-4,<br>IA-1,         | Able to apply modern communication technologies, including in foreign language(s), for academic and professional interaction. | Task 4           | to schematically draw up a protocol of the expert assessments provided for when conducting medical analyses                                                       |
| UC-7,<br>IA-1<br>UC-7,<br>IA-2<br>UC-7,<br>IA-3,         | Able to maintain an appropriate level of physical fitness to ensure full-fledged social and professional activities.          |                  |                                                                                                                                                                   |
| GPC-1,<br>IA-2<br>GPC-1,<br>IA-3<br>GPC-1,<br>IA-1,      | Capable of implementing moral and legal norms, ethical and deontological principles in professional activity.                 |                  |                                                                                                                                                                   |
| GPC-2,<br>IA-2<br>GPC-2,<br>IA-3<br>GPC-2,<br>IA-1,      | Capable of implementing moral and legal norms, ethical and deontological principles in professional activity.                 |                  |                                                                                                                                                                   |
| GPC-4,<br>IA-2<br>GPC-4,                                 | Capable of applying medical devices provided for by the procedure for rendering medical care, as well as                      |                  |                                                                                                                                                                   |

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| IA-3<br>GPC-4,<br>IA-1,                                | conducting patient examinations in order to establish a diagnosis.                                                                                                                                                                                                                                 |
| GPC-5,<br>IA-2<br>GPC-5,<br>IA-3<br>GPC-5,<br>IA-1,    | Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional tasks.                                                                                                                                                              |
| GPC-6,<br>IA-2<br>GPC-6,<br>IA-3<br>GPC-6,<br>IA-1,    | Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional tasks.                                                                                                                                                              |
| GPC-8,<br>IA-2<br>GPC-8,<br>IA-3<br>GPC-8,<br>IA-1,    | Capable of implementing and monitoring the effectiveness of medical rehabilitation of the patient, including the implementation of individual programs of rehabilitation and habilitation of disabled persons, and conducting an assessment of the patient's ability to engage in work activities. |
| GPC-9,<br>IA-2<br>GPC-9,<br>IA-3<br>GPC-9,<br>IA-1,    | Capable of implementing quality management principles in professional activity.                                                                                                                                                                                                                    |
| GPC-10,<br>IA-2<br>GPC-10,<br>IA-3<br>GPC-10,<br>IA-1, | Capable of understanding the principles of modern information technologies and using them to solve tasks of professional activity.                                                                                                                                                                 |
| GPC-11,<br>IA-2<br>GPC-11,<br>IA-3<br>GPC-11,<br>IA-1, | Capable of preparing and applying scientific, research-and-production, project, organizational, management, and regulatory documentation in the healthcare system.                                                                                                                                 |
| PC-1,<br>IA-2<br>PC-1,<br>IA-3                         | Ready to participate in the provision of emergency medical care in                                                                                                                                                                                                                                 |

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| PC-1,<br>IA-1,                                   | conditions requiring urgent medical intervention.                                                                                                                                                                                                                                                                                                                                                                  |
| PC-2,<br>IA-2<br>PC-2,<br>IA-3<br>PC-2,<br>IA-1, | Ready to collect and analyze patient complaints, history data, examination results, laboratory, instrumental, pathological-anatomical, and other studies to recognize a condition or establish the fact of the presence or absence of a disease.                                                                                                                                                                   |
| PC-3,<br>IA-2<br>PC-3,<br>IA-3<br>PC-3,<br>IA-1, | Capable of determining a patient's main pathological states, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10).                                                                                                                                                                   |
| PC-6,<br>IA-2<br>PC-6,<br>IA-3<br>PC-6,<br>IA-1, | Capable of determining a patient's main pathological states, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10).                                                                                                                                                                   |
| PC-7,<br>IA-2<br>PC-7,<br>IA-3<br>PC-7,<br>IA-1, | Capable and ready to implement a range of measures aimed at preserving and strengthening health, including the development of a healthy lifestyle, prevention of the occurrence and (or) spread of diseases, their early diagnosis, identification of the causes and conditions of their occurrence and development, as well as aimed at eliminating the harmful effects of environmental factors on human health. |
| PC-8,<br>IA-2<br>PC-8,<br>IA-3                   | Ready for educational activity to eliminate risk factors and shape healthy lifestyle skills.                                                                                                                                                                                                                                                                                                                       |

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| PC-8,<br>IA-1,                                   |                                                                                                                                                                        |  |  |
| PC-9,<br>IA-2<br>PC-9,<br>IA-3<br>PC-9,<br>IA-1, | Capable of applying the basic principles of arrangement and management in the field of health protection, in medical organizations, and their structural subdivisions. |  |  |
| PC-10,<br>IA-2<br>PC-10,<br>IA-3<br>PC-10.       | Ready to be involved in assessing the quality of medical care provision using key medical-statistical indicators.                                                      |  |  |

## 2.2. Tasks that allow assessing the abilities and skills acquired during the practical training

| Competencies to be developed, indicators                 |                                                                                                                      | Task formulation |                                                                                                                                                                   |
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| competency code                                          | Formulations                                                                                                         |                  |                                                                                                                                                                   |
| IA-1<br>UC-2,<br>IA-2<br>UC-2,<br>IA-3<br>UC-2,<br>IA-1, | Able to manage a project at all stages of its life cycle.                                                            | Task 1           | A general safety briefing and a briefing at each workplace for each type of work performed are conducted, which the student must master and sign in the protocol. |
|                                                          |                                                                                                                      | Task 2           | Fundamentals of clinical laboratory diagnostics, general and medical biochemistry                                                                                 |
| UC-3,<br>IA-2<br>UC-3,<br>IA-3<br>UC-3,<br>IA-1,         | Able to organize and manage the work of a team, developing a team strategy to achieve a set goal.                    | Task 3           | To independently analyze information                                                                                                                              |
| UC-4,<br>IA-2<br>UC-4,<br>IA-3<br>UC-4,<br>IA-1,         |                                                                                                                      | Task 4           | to schematically draw up a protocol of the expert assessments provided for when conducting medical analyses                                                       |
| UC-7,<br>IA-1<br>UC-7,<br>IA-2<br>UC-7,<br>IA-3,         | Able to maintain an appropriate level of physical fitness to ensure full-fledged social and professional activities. |                  |                                                                                                                                                                   |

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| GPC-1,<br>IA-2<br>GPC-1,<br>IA-3<br>GPC-1,<br>IA-1, | Capable of implementing moral and legal norms, ethical and deontological principles in professional activity.                                                                                                                                                                                      |
| GPC-2,<br>IA-2<br>GPC-2,<br>IA-3<br>GPC-2,<br>IA-1, | Capable of implementing moral and legal norms, ethical and deontological principles in professional activity.                                                                                                                                                                                      |
| GPC-4,<br>IA-2<br>GPC-4,<br>IA-3<br>GPC-4,<br>IA-1, | Capable of applying medical devices provided for by the procedure for rendering medical care, as well as conducting patient examinations in order to establish a diagnosis.                                                                                                                        |
| GPC-5,<br>IA-2<br>GPC-5,<br>IA-3<br>GPC-5,<br>IA-1, | Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional tasks.                                                                                                                                                              |
| GPC-6,<br>IA-2<br>GPC-6,<br>IA-3<br>GPC-6,<br>IA-1, | Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional tasks.                                                                                                                                                              |
| GPC-8,<br>IA-2<br>GPC-8,<br>IA-3<br>GPC-8,<br>IA-1, | Capable of implementing and monitoring the effectiveness of medical rehabilitation of the patient, including the implementation of individual programs of rehabilitation and habilitation of disabled persons, and conducting an assessment of the patient's ability to engage in work activities. |
| GPC-9,<br>IA-2<br>GPC-9,<br>IA-3<br>GPC-9,<br>IA-1, | Capable of implementing quality management principles in professional activity.                                                                                                                                                                                                                    |
| GPC-10,<br>IA-2                                     | Capable of understanding the principles of modern information                                                                                                                                                                                                                                      |

|                                                        |                                                                                                                                                                                                                                                  |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GPC-10,<br>IA-3<br>GPC-10,<br>IA-1,                    | technologies and using them to solve tasks of professional activity.                                                                                                                                                                             |
| GPC-11,<br>IA-2<br>GPC-11,<br>IA-3<br>GPC-11,<br>IA-1, | Capable of preparing and applying scientific, research-and-production, project, organizational, management, and regulatory documentation in the healthcare system.                                                                               |
| PC-1,<br>IA-2<br>PC-1,<br>IA-3<br>PC-1,<br>IA-1,       | Ready to participate in the provision of emergency medical care in conditions requiring urgent medical intervention.                                                                                                                             |
| PC-2,<br>IA-2<br>PC-2,<br>IA-3<br>PC-2,<br>IA-1,       | Ready to collect and analyze patient complaints, history data, examination results, laboratory, instrumental, pathological-anatomical, and other studies to recognize a condition or establish the fact of the presence or absence of a disease. |
| PC-3,<br>IA-2<br>PC-3,<br>IA-3<br>PC-3,<br>IA-1,       | Capable of determining a patient's main pathological states, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10). |
| PC-6,<br>IA-2<br>PC-6,<br>IA-3<br>PC-6,<br>IA-1,       | Capable of determining a patient's main pathological states, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10). |
| PC-7,<br>IA-2<br>PC-7,<br>IA-3<br>PC-7,<br>IA-1,       | Capable and ready to implement a range of measures aimed at preserving and strengthening health, including the development of a healthy lifestyle, prevention of the occurrence and (or) spread of diseases, their early diagnosis,              |

|                                         |                                                                                                                                                                                |  |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                         | identification of the causes and conditions of their occurrence and development, as well as aimed at eliminating the harmful effects of environmental factors on human health. |  |
| PC-8, IA-2<br>PC-8, IA-3<br>PC-8, IA-1, | Ready for educational activity to eliminate risk factors and shape healthy lifestyle skills.                                                                                   |  |
| PC-9, IA-2<br>PC-9, IA-3<br>PC-9, IA-1, | Capable of applying the basic principles of arrangement and management in the field of health protection, in medical organizations, and their structural subdivisions.         |  |
| PC-10, IA-2<br>PC-10, IA-3<br>PC-10.    | Ready to be involved in assessing the quality of medical care provision using key medical-statistical indicators.                                                              |  |

### 3. Methodological materials defining the assessment procedures and characterizing the stages of competency formation

The procedure for completing the practical training "Practical Training for Acquiring Professional Skills and Experience in Professional Activities in the Positions of Mid-Level Medical Personnel" includes the following stages: preparatory stage, experimental stage, preparation and defense of the practical training report. At each stage of the practical training, ongoing monitoring of the process of competency formation is carried out. The tasks offered to the student allow testing the competencies.

The tasks provide for mastering competencies at different levels: basic and advanced. Advanced-level tasks are distinguished by a deeper elaboration of the research, along with traditional methods, and the use of new research methods.

During the practical training, the student may use new technologies for performing calculations and data processing, design and assessment technologies for studying natural and anthropogenic systems available at the place of the practical training, taking into account the latest scientific and technological achievements in the field under study.

The practical training includes the collection and systematization of factual and literary material; it is recommended to use the materials available in the library, including electronic library, as well as materials of scientific conferences and working meetings on related topics. When preparing the plan and the report on the practical training, a template is used. For the defense of the report, it is recommended to prepare materials in the form of a presentation. The report must include: the

justification and expediency of performing the research, the material obtained during the practical training, and conclusions.

Based on the results of the classes at the preparatory stage, the "Introduction" section to the report is written according to the following plan:

- time and place of the practical training,
- its goals and objectives,
- objects of research,
- research methods,
- significance of the practical training.

On the title page, the title of the work is written — "Report on the Practical Training 'Practical Training for Acquiring Professional Skills and Experience in Professional Activities in the Positions of Mid-Level Medical Personnel'", indicating: the name of the educational institution and the department, the surname, first name, and patronymic of the executor(s); the surname, initials, academic degree, and position of the practical training supervisor; the place and year of writing the report.

For the credit, each student must submit a personal practical training diary with a full report on each topic studied.

In the "Conclusion," the results of the practical training are summarized, conclusions, remarks, and suggestions for improving the practical training are made.

The literature in the list is numbered and given in alphabetical order in accordance with the standard adopted in printed works.

The report, in the course of presentation, is illustrated with figures, plans, profiles, and photographs. Figures and photographs are numbered, accompanied by captions and references in the text.

Upon completion of the practical training, a final conference is held, at which students make presentations on the sections of the report and problematic issues. The results of the practical training are discussed.

**MINISTRY OF SCIENCE AND HIGHER EDUCATION**  
**RUSSIAN FEDERATION**  
**Federal State Autonomous Educational Institution of Higher Education**  
**NORTH-CAUCASUS FEDERAL UNIVERSITY**

**Questions for the interview on the:**

practical training for acquiring professional skills and experience in professional activities in the positions  
of mid-level medical personnel

**Advanced-level questions are highlighted in italics.**

1. Describe the setup and operation of a treatment room.
2. How to carry out cleaning and quartz treatment of a treatment room.
3. Describe the performance of routine and final cleaning of premises.
4. Describe the rules for storing medicinal products. The rules for distributing medicinal products.
5. List the routes of administration of medicinal products.
6. Describe the preparation of a system for intravenous drip infusions.
7. Technique of subcutaneous and intradermal injections.
8. Hand hygiene of medical personnel.
9. Primary processing of syringes.
10. Rules for the storage and use of disinfectant solutions. Labeling of cleaning equipment.
11. Methods for the prevention and reduction of viral hepatitis morbidity.
12. Transportation of patients.
13. Motor regimens. The position of the patient in bed in various diseases.
14. Making a bed. Changing underwear and bed linen.
15. Use of functional beds. Making a bed.
16. Features of observation and care for patients with kidney diseases.
17. Observation and care for patients with urinary retention.
18. Observation and care for patients with urinary incontinence.
19. Preparation of patients for instrumental examinations of the urinary system.
20. Skin care, prevention and treatment of pressure ulcers.
21. Oral care, eye and hair care.
22. Instillation of drops into the eyes, nose, ears.
23. Hair care, eye care, oral care.
24. Measurement of the patient's height and body weight.
25. Measurement of chest circumference.
26. Counting the number of respiratory movements.
27. Transportation of a patient in a wheelchair, on a stretcher-trolley, and manually (on a stretcher).
28. *Changing underwear and bed linen for a seriously ill patient.*
29. *Providing a bedpan.*
30. *Washing a patient.*
31. *Performing oral, nasal, and ear toilet.*
32. *Measurement of body temperature and recording of measurement data in a temperature chart.*
33. *Provision of first pre-medical aid in case of sudden shortness of breath (suffocation).*
34. *Collection of sputum for laboratory examination.*
35. *Performing oxygen therapy by various methods.*
36. *Ability to use a pocket inhaler.*
37. *Determination of the characteristics of the arterial pulse on the radial artery.*
38. *Measurement of blood pressure.*
39. *Recording of the results of the arterial pulse and blood pressure examination in a temperature chart.*

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**Topics of essays for the**  
practical training for acquiring professional skills and experience in professional activities in the  
positions of mid-level medical personnel

1. Modern concepts of biomedical ethics.
2. The problem of euthanasia.
3. Sanitary education: history of development, organization of sanitary and educational work. Sanitary education in the work of outpatient and inpatient medical institutions.
4. Functional duties of a ward attendant.
5. Types of cleaning in therapeutic and surgical departments.
6. Fundamentals of care for seriously ill patients.
7. Methods of feeding a seriously ill patient.
8. Modern disinfectants.
9. Rules of asepsis and antisepsis.
10. Prevention and treatment of pediculosis.
11. Helminthic invasions.
12. Methods of transporting patients.
13. Sanitary maintenance of wards.
14. Classification of medical waste according to the degree of its epidemic, toxicological, and radiation hazard.
15. Sanitary rules and norms for the collection, storage, and disposal of medical waste.
16. Fire safety rules in therapeutic and surgical departments.
17. *Breathing exercises in the postoperative period.*
18. *Skin, nail, and hair care for seriously ill patients.*
19. *Care for a patient in a state of coma.*
20. *Rules of work in an operating room and a dressing room.*
21. *Prevention of pressure ulcers.*
22. *Care for patients with stomas.*

TOPICS OF THE INDIVIDUAL PLAN FOR THE EDUCATIONAL PRACTICAL TRAINING  
of the practical training for acquiring professional skills and experience in professional activities  
in the positions of mid-level medical personnel  
Preparation of disinfectant chlorine-containing solutions.

1. Sanitary treatment of a patient.
2. Rules for transporting patients.
3. Personal hygiene of a patient (changing linen, skin care, oral toilet, use of bedpans, urine receivers).
4. Methods of preventing pressure ulcers and features of care during their formation in seriously ill patients.
5. Feeding seriously ill patients.
6. Anthropometry (How are height, limb length, and body weight measured?)
7. Measurement of body temperature (thermometry) and its recording.
8. Care for febrile patients.
9. Heating pad, ice pack, compress.
10. Sterilization of reusable medical instruments.
11. Injections (types and technique).
12. Preparation of systems for intravenous infusions.
13. Determination of blood group.
14. Transfusion of blood components and blood substitutes.
15. Oxygen therapy.
16. Technique of using an individual inhaler.
17. Gastric lavage.
18. Probe methods for examining gastric and duodenal contents.
19. Enemas (cleansing, siphon).
20. Use of a gas tube.
21. Preparation for X-ray examination of the stomach, colon, and gallbladder.
22. Preparation for ultrasound examination of abdominal organs.
23. Preparation for endoscopic examination of the gastrointestinal tract and respiratory system.
24. Catheterization and lavage of the bladder.
25. Bandages.
26. Application of a tourniquet in arterial bleeding.
27. Emergency care in case of poisoning.
28. Emergency care in case of injuries.
29. Emergency care in case of comas.
30. Emergency care in case of status epilepticus.
31. Emergency care in case of pulmonary and gastric bleeding.
32. Emergency care in case of allergic (anaphylactic) shock.
33. Emergency care in case of acute myocardial infarction.
34. Emergency care in case of pulmonary edema.
35. Emergency care in case of hypertensive crisis.
36. Emergency care in case of an attack of bronchial asthma.
37. Resuscitation technique (artificial respiration, closed cardiac massage).