

MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION

**Federal state Autonomic Educational Institution of Higher Education  
«National Research Lobachevsky State University of Nizhny Novgorod»**

Institute of Clinical Medicine

Approved at the meeting  
of Academic Council of UNN  
Protocol № 10 March 02.12.2024

**The program of the state final certification**

Level of education  
Specialist's

Field of studies / Speciality

31.05.01 General medicine

Specialisation

General Medicine

**Nizhny Novgorod  
the start of the program 2025**

## 1. THE PLACE OF THE STATE FINAL ATTESTATION IN THE STRUCTURE

The state final attestation (GIA), which completes the development of the basic professional educational program, is conducted by the state examination commission in order to determine whether the results of the development of the educational program by students meet the requirements of the Federal State Educational Standard of higher education (FGOS HE). The state final certification of graduates in the specialty 05/31/01 Medical practice is conducted in the form of a state interdisciplinary examination.

## 2. REQUIREMENTS FOR THE RESULTS OF MASTERING EP

A graduate who has mastered the specialty program should be able to solve professional tasks that correspond to his qualification characteristics: medical activity:

- prevention of the occurrence of diseases among the population through preventive and anti-epidemic measures;
- conducting preventive medical examinations, medical examinations, and follow-up;
- collecting and medico-statistical analysis of information on the health indicators of the population of various age and gender groups, characterizing their state of health;
- diagnosis of diseases and pathological conditions of patients;
- diagnosis of emergency conditions;
- Pregnancy diagnosis;
- conducting an examination of temporary disability and participating in other types of medical examination;
- Provision of primary medical and sanitary care in outpatient and day hospital settings;
- provision of primary medical and sanitary care for sudden acute illnesses, conditions, and exacerbation of chronic diseases that are not accompanied by a threat to the patient's life and do not require emergency medical care;
- participation in the provision of emergency medical care for conditions requiring urgent medical intervention;
- Provision of medical assistance in emergency situations, including participation in medical evacuation;
- participation in medical rehabilitation and spa treatment;
- formation of motivation among the population, patients and their family members aimed at preserving and strengthening their own health and the health of others;
- teaching patients basic hygiene measures of a health-improving nature that help prevent the occurrence of diseases and promote health.

### **Organizational and managerial:**

- application of the basic principles of the organization of medical care in medical organizations and their structural divisions;
- creation of favorable conditions in medical organizations for the stay of patients and the work of medical personnel;
- maintaining medical records in medical organizations;
- organization of medical examination; • participation in the organization of assessment of the quality of medical care for patients; • compliance with basic information security requirements;

### **Scientific research:**

- analysis of scientific literature and official statistical reviews, participation in statistical analysis and public presentation of the results;
- participation in the solution of individual scientific research and scientific-applied tasks in the field of healthcare for diagnosis, treatment, medical rehabilitation and prevention. A graduate

who has completed the specialty program in the specialty 05/31/01 Medical practice must have the following competencies::

Table 1

The results of mastering the educational program

Generated competencies (code, content of competence)	Planned learning outcomes for the discipline (module), in accordance with the competence achievement indicator	
	Competence achievement indicator (code, indicator content)	Results of training in the discipline
YK-1 He is able to carry out a critical analysis of problematic situations based on a systematic approach, to develop a strategy of action	Analyzes the task, highlighting its basic components	Know the algorithm for analyzing the problem, highlighting its basic components
	Finds and critically analyzes the necessary information and critically considers possible solutions to the problem.	Be able to find and critically analyze the necessary information and critically consider possible solutions to the problem.
	Competently, logically, and reasonably forms his own judgments and assessments	Possess competent, logical, reasoned judgments
	Identifies and evaluates the consequences of possible solutions to the problem.	Be able to identify and evaluate the consequences of possible solutions to a problem.
YK-2 Able to manage a project at all stages of its life cycle	Formulates, within the framework of the set project goal, a set of interrelated tasks that ensure its achievement. Defines the expected results of solving the selected tasks	Know the algorithm for formulating a set of interrelated tasks within the framework of the set project goal, ensuring its achievement. Know the algorithm for determining the expected results of solving selected tasks
	Designs a solution to a specific project problem, choosing the best way to solve it based on current legal norms, available resources and limitations.	Be able to design a solution to a specific project task, choosing the best way to solve it, based on current legal norms, available resources and limitations.
	Solves specific project tasks of the declared quality and within the specified time	Master the algorithm for solving specific project tasks of the declared quality and within the specified time
	Publicly presents the results of solving a specific project task.	Be able to publicly present the results of solving a specific project task.
YK-3 He is able to organize and manage the work of the team, developing a team strategy to achieve the set goal.	Understands the effectiveness of using a collaboration strategy to achieve a set goal, defines his role in the team.	To know the algorithm of effective use of the strategy of cooperation to achieve the set goal, to determine your role in the team.
	Understands the behavioral characteristics of the selected groups of people with whom he works/interacts, and take them into account in his activities (the choice	Be able to understand the behavioral characteristics of the selected groups of people with whom he works/interacts, and take them into account in his activities

	of categories of groups of people is carried out by an educational organization depending on the goals of training, age characteristics, ethnic or religious characteristics, socially vulnerable segments of the population, etc.).	(the choice of categories of groups of people is carried out by an educational organization depending on the goals of training, age characteristics, ethnic or religious characteristics, socially vulnerable segments of the population, etc.).
	Anticipates the results (consequences) of personal actions and plan the sequence of steps to achieve a given result and effectively interact with other team members, including participating in the exchange of information, knowledge and experience, and present the results of the team's work.	Know how to anticipate the results (consequences) of personal actions and plan the sequence of steps to achieve a given result and effectively interact with other team members, including participating in the exchange of information, knowledge and experience, and present the results of the team's work.
YK-4 Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	Chooses a communicatively acceptable style of business communication, verbal and non-verbal means of interaction with partners in the state and foreign languages.	Knows the algorithm for choosing a communicatively acceptable style of business communication, verbal and non-verbal means of interaction with partners in the state and foreign languages.
	Uses information and communication technologies when searching for the necessary information in the process of solving standard communication tasks in the state and foreign languages.	Be able to use information and communication technologies when searching for the necessary information in the process of solving standard communication tasks in the state and foreign languages.
	Able to demonstrate of the ability to translate professional texts from a foreign language(s) into an official language and vice versa.	Possess a demonstration of the ability to translate professional texts from a foreign language(s) into an official language and vice versa.
YK-5 He is able to analyze and take into account the diversity of cultures in the process of intercultural interaction.	To Know the algorithm of tolerant perception of social and cultural differences, respectful and careful attitude to historical heritage and cultural traditions	Knows the algorithm of tolerant perception of social and cultural differences, respectful and careful attitude to historical heritage and cultural traditions
	Finds and uses information about cultural peculiarities and traditions necessary for self-development and interaction with other people	Finds and uses information about cultural peculiarities and traditions necessary for self-development and interaction with other people
	Shows in his behavior a respectful attitude towards the historical heritage and socio-cultural traditions of various social	Shows in his behavior a respectful attitude towards the historical heritage and socio-cultural traditions of various social

	groups, based on knowledge of the stages of the historical development of Russia in the context of world history and cultural traditions of the world.	groups, based on knowledge of the stages of the historical development of Russia in the context of world history and cultural traditions of the world.
YK-6 He is able to determine and implement the priorities of his own activities and ways to improve them based on self-assessment and lifelong education	He applies knowledge about his resources and their limits (personal, situational, temporary, etc.) to successfully complete the assigned work and understands the importance of planning long-term goals of his own activities, taking into account conditions, means, personal capabilities, stages of career growth, time prospects for the development of activities and the requirements of the labor market.	Know the algorithm for applying knowledge about your resources and their limits (personal, situational, temporary, etc.) to successfully complete the assigned work and understand the importance of planning long-term goals for your own activities, taking into account conditions, means, personal capabilities, stages of career growth, time prospects for business development and labor market requirements.
	Implements the intended goals of the activity, taking into account the conditions, means, personal capabilities, stages of career growth, the time perspective of business development and the requirements of the labor market, and critically evaluates the effectiveness of using time and other resources in solving tasks, as well as the result obtained.	Be able to realize the intended goals of the activity, taking into account the conditions, means, personal capabilities, stages of career growth, the time perspective of business development and the requirements of the labor market, and critically assesses the effectiveness of using time and other resources in solving tasks, as well as the result obtained.
	Demonstrates an interest in learning and use the opportunities provided to acquire new knowledge and skills	Demonstrate an interest in learning and use the opportunities provided to acquire new knowledge and skills
YK-7 Able to maintain an adequate level of physical fitness to ensure full-fledged social and professional activities	Uses the algorithm for maintaining an adequate level of physical fitness to ensure full-fledged social and professional activities and compliance with healthy lifestyle standards.	Know the algorithm for maintaining an adequate level of physical fitness to ensure full-fledged social and professional activities and compliance with healthy lifestyle standards.
	Uses the basics of physical culture for an informed choice of health-saving technologies, taking into account the internal and external conditions of the implementation of a specific professional activity.	Be able to use the basics of physical culture for an informed choice of health-saving technologies, taking into account the internal and external conditions of the implementation of a specific professional activity.
YK-8 He is able to create and maintain	He uses the algorithm for ensuring safe and comfortable working conditions at the	Know the algorithm for ensuring safe and comfortable working conditions at the

safe living conditions in daily life and in professional activities to preserve the natural environment and ensure the sustainable development of society, including in the event of threats and emergencies and military conflicts.	workplace, including using protective equipment.	workplace, including using protective equipment.
	Eliminates problems related to workplace safety violations.	Be able to identify and eliminate problems related to workplace safety violations.
	Prevents the occurrence of emergencies (of natural and man-made origin) in the workplace, including using protective equipment	Possess actions to prevent the occurrence of emergencies (of natural and man-made origin) in the workplace, including using protective equipment
	Prevents the occurrence of emergencies (of natural and man-made origin) in the workplace, including using protective equipment	Be able to take part in rescue and emergency recovery activities in case of emergencies.
YK-9 He is able to use basic defectological knowledge in social and professional spheres.	Uses the principles of non-discriminatory interaction in communication in various spheres of life, taking into account the socio-psychological characteristics of people with disabilities.	Know the principles of non-discriminatory interaction in communication in various spheres of life, taking into account the socio-psychological characteristics of people with disabilities.
	Plans and carry out professional activities with people with disabilities or limited health opportunities.	Be able to plan and carry out professional activities with people with disabilities or limited health opportunities.
	Interacts with people with disabilities in the social and professional spheres.	Possess skills in interacting with people with disabilities in the social and professional spheres.
YK-10 Is Able to make informed economic decisions in various areas of life	Uses the basic principles of the functioning of the economy and economic development, the goals of the form of government participation in the economy	Know the basic principles of the functioning of the economy and economic development, the goals of the form of government participation in the economy
	Applies economic and financial planning methods to achieve current and long-term financial goals in various areas of life.	Be able to apply economic and financial planning methods to achieve current and long-term financial goals in various areas of life.
YK-11 He is able to form an intolerant attitude towards manifestations of extremism, terrorism, and corrupt behavior and to counteract them in his professional activities.	Uses the algorithm for analyzing current legal norms, prevention methods, ensuring the fight against corruption and countering extremism and terrorism in various areas of life	Know the algorithm for analyzing current legal norms, prevention methods, ensuring the fight against corruption and countering extremism and terrorism in various areas of life
	Complies with the rules of interaction based on an intolerant attitude towards extremism, terrorism, and corrupt behavior in their professional activities	Be able to comply with the rules of interaction based on an intolerant attitude towards extremism, terrorism, and corrupt behavior in their professional activities

<p>OPIK-1</p> <p>Able to implement moral and legal norms, ethical and deontological principles in professional activities</p>	Applies the rules of medical ethics, the rights and duties of the patient and medical staff	Know the rules of medical ethics, the rights and duties of the patient and medical staff
	Applies laws and regulations governing work in the professional field	Be able to apply laws and regulations governing work in the professional field
	Uses the norms of ethics and deontology in communication with the public and the team and observe moral and legal norms in professional activities	Possess the norms of ethics and deontology in communication with the public and the team and observe moral and legal norms in professional activities
<p>OPIK-2</p> <p>He is able to carry out and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population.</p>	Uses the algorithm for analyzing public awareness of a healthy lifestyle and medical literacy, and on this basis to develop a plan of organizational and methodological measures aimed at increasing public awareness of a healthy lifestyle and its literacy in the prevention of diseases	To know the algorithm for analyzing public awareness of a healthy lifestyle and medical literacy, and on this basis to develop a plan of organizational and methodological measures aimed at increasing public awareness of a healthy lifestyle and its literacy in the prevention of diseases
	Carries out medical examinations of adults and children with the aim of early detection of chronic noncommunicable diseases and the main risk factors for their development in accordance with current regulatory legal acts and other documents	Be able to carry out medical examinations of adults and children with the aim of early detection of chronic noncommunicable diseases and the main risk factors for their development in accordance with current regulatory legal acts and other documents
	Determines medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist in the event of infectious (parasitic) diseases. Be able to carry out anti-epidemic measures in the event of an infection outbreak, including quarantine measures for the detection of particularly dangerous quarantine infectious diseases	Possess the skills to determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist in the event of infectious (parasitic) diseases. Be able to carry out anti-epidemic measures in the event of an infection outbreak, including quarantine measures for the detection of particularly dangerous quarantine infectious diseases
<p>OPIK-3</p> <p>Is Capable of countering and combating the use of doping in sports</p>	Uses the pharmacological properties of drugs used as doping and their effect on the human body	Know about the pharmacological properties of drugs used as doping and their effect on the human body
	Explains the harmfulness of forced improvement of athletic performance and side effects on the body.	Be able to explain the harmfulness of forced improvement of athletic performance and side effects on the body.

	Implements measures to prevent the use of doping	Possess the skills to implement measures to prevent the use of doping
<p>OIIK-4</p> <p>He is able to use medical devices prescribed by the procedure for providing medical care, as well as to conduct examinations of the patient in order to establish a diagnosis.</p>	Applies the algorithm of medical technologies, specialized equipment and medical products in solving professional tasks.	He is ready to apply the algorithm of medical technologies, specialized equipment and medical products in solving professional tasks.
	Uses medical devices, medicines, including immunobiological, and other substances and their combinations in solving professional tasks.	Uses medical devices, medicines, including immunobiological, and other substances and their combinations in solving professional tasks.
	Evaluates the results of using medical technologies, specialized equipment and medical products in solving professional tasks.	Possess the skills to evaluate the results of using medical technologies, specialized equipment and medical products in solving professional tasks.
<p>OIIK-5</p> <p>He is able to evaluate morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems.</p>	Applies the algorithm of clinical laboratory, instrumental and functional diagnostics in solving professional tasks	Be able to apply the algorithm of clinical laboratory, instrumental and functional diagnostics in solving professional tasks
	Uses the algorithm for assessing morphofunctional, physiological conditions and pathological processes in the human body for interpreting the results of clinical, laboratory, instrumental and functional diagnostics in solving professional problems	Know the algorithm for assessing morphofunctional, physiological conditions and pathological processes in the human body for interpreting the results of clinical, laboratory, instrumental and functional diagnostics in solving professional problems
	Uses knowledge about the principle of functioning of organ systems.	Possess knowledge about the principle of functioning of organ systems.
<p>OIIK-6</p> <p>He is able to organize patient care, provide primary health care, ensure work organization and professional decision-making in case of urgent conditions at the pre-hospital stage, in emergency situations, epidemics and in mass destruction centers.</p>	Applies the algorithm of primary health care in emergency situations, including in extreme conditions and mass destruction centers	Be able to apply the algorithm of primary health care in emergency situations, including in extreme conditions and mass destruction centers
	Uses the algorithm for detecting conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration	Know the algorithm for detecting conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration
	Uses the skills of providing emergency medical care to patients in conditions that pose a threat to patients' lives, including clinical death (stopping vital functions of the human body (blood circulation	Possess the skills of providing emergency medical care to patients in conditions that pose a threat to patients' lives, including clinical death (stopping vital functions of the human body (blood circulation



	and/or respiration.	and/or respiration.
<p>ОПК-7</p> <p>Able to prescribe treatment and monitor its effectiveness and safety</p>	Uses the algorithm for developing a general treatment plan for a patient, taking into account the etiology, pathogenesis and features of the course of the disease	Know the algorithm for developing a general treatment plan for a patient, taking into account the etiology, pathogenesis and features of the course of the disease
	Prescribes medical and non-medical treatment of diseases and conditions	Be able to prescribe medical and non-medical treatment of diseases and conditions
	Evaluates the effectiveness and safety of drug and non-drug therapy in adults	Possess the skills to evaluate the effectiveness and safety of drug and non-drug therapy in adults
<p>ОПК-8</p> <p>He is able to implement and monitor the effectiveness of the patient's medical rehabilitation, including in the implementation of individual rehabilitation and habilitation programs for the disabled, to assess the patient's ability to work</p>	Developes a program of rehabilitation measures aimed at restoring the patient's health	Know the algorithm for developing a program of rehabilitation measures aimed at restoring the patient's health
	He is to monitor the implementation of rehabilitation programs at all stages	Be able to monitor the implementation of rehabilitation programs at all stages
	Conducts an examination of the patient's ability to work	Have the skills to conduct an examination of the patient's ability to work
<p>ОПК-9</p> <p>He Is Able to implement the principles of quality management in professional activities</p>	Uses the skills of quality control of medical services	Possess the skills of quality control of medical services
	Implements the principles of quality management in professional activities	Be able to implement the principles of quality management in professional activities
<p>ОПК-10</p> <p>He is able to understand the principles of modern information technologies and use them to solve professional tasks.</p>	Know the algorithm for compiling and planning solutions to standard professional tasks	Know the algorithm for compiling and planning solutions to standard professional tasks
	Be able to use information, bibliographic resources, medical and biological terminology, information and communication technologies	Is able to use information, bibliographic resources, medical and biological terminology, information and communication technologies
	Know and possess the skills to comply with the basic requirements of information security	Know and possess the skills to comply with the basic requirements of information security
<p>ОПК-11</p> <p>He is able to prepare and apply scientific, scientific and production, design, organizational, managerial and regulatory documentation in the healthcare system.</p>	Readiness to carry out anti-epidemic measures, organization of protection of the population in foci of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations	Readiness to carry out anti-epidemic measures, organization of protection of the population in foci of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations

<p>IIK-1</p> <p>Readiness to carry out anti-epidemic measures, organization of protection of the population in foci of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations</p>	<p>To know the classification, definition and sources of emergency situations, medical and tactical characteristics of disaster areas of various types, modern methods and means of protecting the population from the damaging factors of disasters, sources of chemical danger and a brief description of toxic and highly toxic substances, the basics of assessing the chemical and radiation situation, the organization of protection of the population in emergency areas, in case of deterioration of the radiation situation and natural disasters, modern personal protective equipment, the basics of organizing and conducting sanitary and anti-epidemic measures in natural and man-made emergencies</p>	<p>He knows the classification, definition and sources of emergency situations, medical and tactical characteristics of disaster areas of various types, modern methods and means of protecting the population from the damaging factors of disasters, sources of chemical danger and a brief description of toxic and highly toxic substances, the basics of assessing the chemical and radiation situation, the organization of protection of the population in emergency areas, in case of deterioration of the radiation situation and natural disasters, modern personal protective equipment, the basics of organizing and conducting sanitary and anti-epidemic measures in natural and man-made emergencies</p>
	<p>Be able to apply modern methods and means of protecting the population, patients, medical personnel and medical property from the damaging factors of emergency situations, use means, methods of control and monitoring of dangerous and negative factors of natural and anthropogenic origin, select methods of protection from the damaging factors of natural and anthropogenic disasters, assess the chemical, radiation and bacteriological situation, use opportunities modern personal protective equipment, apply methods of assessment and conducting radiation and chemical reconnaissance, radiometric and dosimetric control, to use the methodology of conducting basic sanitary and hygienic and anti-epidemic measures as part of formations and institutions of the All-Russian Disaster Medicine service.</p>	<p>He is able to apply modern methods and means of protecting the population, patients, medical personnel and medical property from the damaging factors of emergency situations, use means, methods of control and monitoring dangerous and negative factors of natural and anthropogenic origin, select methods of protection from the damaging factors of natural and anthropogenic disasters, assess the chemical, radiation and bacteriological situation, use opportunities modern personal protective equipment, apply methods of assessment and conducting radiation and chemical reconnaissance, radiometric and dosimetric control, to use the methodology of conducting basic sanitary and hygienic and anti-epidemic measures as part of formations and institutions of the All-Russian Disaster Medicine service.</p>
	<p>Possess methods of assessing the medical and tactical situation in</p>	<p>Possess methods of assessing the medical and tactical situation in</p>

	emergency situations and mass destruction centers, methods of conducting basic measures to protect the population from the damaging factors of emergency situations, skills in organizing and conducting basic measures for sanitary and special treatment, the ability to evaluate the effectiveness of measures to protect the population from the effects of damaging factors of emergency situations, an algorithm for interaction during sanitary-hygienic and anti-epidemic measures in the centers of mass destruction of civilians and wartime as part of formations and institutions of the disaster medicine service with other emergency services	emergency situations and mass destruction centers, methods of conducting basic measures to protect the population from the damaging factors of emergency situations, skills in organizing and conducting basic measures for sanitary and special treatment, the ability to evaluate the effectiveness of measures to protect the population from the effects of damaging factors of emergency situations, an algorithm for interaction during sanitary-hygienic and anti-epidemic measures in the centers of mass destruction of civilians and wartime as part of formations and institutions of the disaster medicine service with other emergency services
<p>IIK-2</p> <p>Willingness to recognize conditions that occur with sudden acute illnesses, exacerbation of chronic diseases that require urgent or emergency care, and to participate in providing emergency medical care for these conditions that require urgent medical intervention, including in emergency situations, and to participate in medical evacuation</p>	Know the methods of emergency measures and indications for hospitalization of patients; clinical manifestations of major syndromes requiring urgent medical intervention; principles and methods of first aid and emergency conditions.	He knows the methods of emergency measures and indications for hospitalization of patients; clinical manifestations of major syndromes requiring urgent medical intervention; principles and methods of first aid and emergency conditions.
	Be able to identify life-threatening disorders and provide emergency first aid to victims in the affected areas in emergency situations.	He is able to identify life-threatening disorders and provide first aid to those affected in emergency situations.
	Master the algorithm for performing basic medical diagnostic and therapeutic measures to provide first aid in urgent and life-threatening conditions	Knows the algorithm for performing basic medical diagnostic and therapeutic measures for first aid in urgent and life-threatening conditions
<p>IIK-3</p> <p>Willingness to collect and analyze patient complaints, medical history data, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the condition or establish the</p>	To know the methods of collecting anamnesis, complaints, examination of a patient with therapeutic pathology for disease recognition, etiology, pathogenesis, and clinic of the most common diseases of internal organs; modern classification, principles and features of the main methods of clinical, laboratory and instrumental examination methods,	He knows the methods of collecting anamnesis, complaints, examination of a patient with therapeutic pathology for disease recognition, etiology, pathogenesis, and clinic of the most common diseases of internal organs; modern classification, principles and features of the main methods of clinical, laboratory and instrumental examination methods,

presence or absence of the disease, differential diagnosis	their diagnostic significance	their diagnostic significance
	Be able to obtain information about the disease, interpret complaints, anamnesis of the disease and life, data, apply objective examination methods, identify common and specific signs of the disease; build a patient examination plan taking into account standards and interpret additional examination methods (laboratory and instrumental) taking into account the norm	He is able to obtain information about the disease, interpret complaints, anamnesis of the disease and life, data, apply objective examination methods, identify common and specific signs of the disease; build a patient examination plan taking into account standards and interpret additional examination methods (laboratory and instrumental) taking into account the norm.
	Master the methods of collecting anamnesis, complaints of a patient with therapeutic pathology; the skill of drawing up a plan for additional examination of the patient; interpretation of the results of laboratory and instrumental studies and differential diagnosis	He knows the methods of collecting anamnesis, complaints of a patient with therapeutic pathology; the skill of drawing up a plan for additional examination of the patient; interpretation of the results of laboratory and instrumental studies and differential diagnosis
ПК-4 Willingness to identify the patient's main pathological conditions, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Health-Related Problems, X revision	Know the etiology and pathogenesis of gynecological diseases according to the International Statistical Classification of Diseases and Health-related Problems, X revision	He knows the etiology and pathogenesis of gynecological diseases according to the International Statistical Classification of Diseases and Health-related Problems, X revision
	Be able to identify the main symptoms and syndromes of nosological forms of gynecological diseases in accordance with the International Statistical Classification of Diseases and Health-related Problems, X revision	Is able to identify the main symptoms, syndromes of nosological forms of gynecological diseases in accordance with the International Statistical Classification of Diseases and Health-related Problems, X revision
	Possess the skills of making a diagnosis based on the symptoms, syndromes of nosological forms of gynecological diseases in accordance with the International Statistical Classification of Diseases and Health-related Problems, X revision	Possess the skills of making a diagnosis based on the symptoms, syndromes of nosological forms of gynecological diseases in accordance with the International Statistical Classification of Diseases and Health-related Problems, X revision
ПК-5 Willingness to determine age-appropriate management tactics for patients with	Знать алгоритмы постановки диагноза и лечения и тактику ведения пациентов с различными нозологическими формами	Знать алгоритмы постановки диагноза и лечения и тактику ведения пациентов с различными нозологическими формами

various nosological forms (development of a treatment plan, prescribing medications and non-medications according to clinical recommendations), including palliative care	Be able to determine the necessary management tactics for patients with various nosological forms	Is able to determine the necessary management tactics for patients with various nosological forms
	Master the algorithms of diagnosis and treatment and the skill of determining the tactics of managing patients with various nosological forms	Masters the algorithms of diagnosis and treatment and the skill of determining the tactics of managing patients with various nosological forms
IIK-6 Ready to conduct a physiological pregnancy, delivery	Know the principles and methods of conducting physiological pregnancy and delivery	Knows the principles and methods of conducting physiological pregnancy and delivery
	Be able to identify signs of pregnancy on a phantom, determine the duration of pregnancy, childbirth and maternity leave, prescribe an examination for a pregnant woman when registering at a women's clinic, draw up a plan and carry out a sanitization (psychoprophylaxis), conduct a vaginal examination on a phantom during pregnancy and childbirth, assess the degree of "maturity" of the cervix, carry out on a phantom taking swabs from the vagina for the degree of purity, flora and cytology, for amniotic fluid and evaluate the results, deliver the baby on a phantom in the head Be able to identify signs of pregnancy on a phantom, determine the duration of pregnancy, childbirth and maternity leave, prescribe an examination for a pregnant woman when registering at a women's clinic, draw up a plan and carry out a sanitization (psychoprophylaxis), conduct a vaginal examination on a phantom during pregnancy and childbirth, assess the degree of "maturity" of the cervix, carry out on a phantom taking swabs from the vagina for the degree of purity, flora and cytology, for amniotic fluid and evaluate the results, deliver the baby on a phantom in the head of fetal presentation (monitoring during childbirth,	He is able to identify signs of pregnancy on a phantom, determine the duration of pregnancy, childbirth and maternity leave, prescribe an examination of a pregnant woman when registering at a women's clinic, draw up a plan and carry out a sanitization (psychoprophylaxis), conduct a vaginal examination on a phantom during pregnancy and childbirth, assess the degree of "maturity" of the cervix, carry out on a phantom taking swabs from the vagina for the degree of purity, flora and cytology, for amniotic fluid and evaluate the results, deliver the baby on a phantom in the head presentation of the fetus (monitoring during childbirth, obstetric manual). To prevent bleeding in the third period of labor on the phantom. Evaluate the signs of placental separation, placental integrity, and blood loss during childbirth on the phantom. Evaluate the condition of the newborn on the Apgar and Downes scale on the phantom. To carry out primary resuscitation of newborns on the phantom, to carry out the primary toilet of the newborn on the phantom, to carry out an examination on the phantom using mirrors of the cervix, vagina, perineum after childbirth, suturing on the phantom rupture of the

	<p>obstetric care). To prevent bleeding in the third period of labor on the phantom. Evaluate the signs of placental separation, placental integrity, and blood loss during childbirth on the phantom. Evaluate the condition of the newborn on the Apgar and Downes scale on the phantom. To carry out primary resuscitation of newborns on the phantom, to carry out the primary toilet of the newborn on the phantom, to carry out an examination on the phantom using mirrors of the cervix, vagina, perineum after childbirth, suturing on the phantom rupture of the cervix, vagina and perineum. Removal of stitches on the phantom from the perineum after childbirth, to carry out the management of the postpartum period</p>	<p>cervix, vagina and perineum. Removal of stitches on the phantom from the perineum after childbirth, to carry out the management of the postpartum period.</p>
	<p>Master the methods of conducting a physiological pregnancy; the algorithm of providing assistance during childbirth.</p>	<p>Master the methods of conducting a physiological pregnancy; the algorithm of providing assistance during childbirth.</p>
<p>ПК-7 Willingness to determine the need for the use of natural healing factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment</p>	<p>Know the main natural healing factors, medicinal, drug therapy and other methods in patients in need of medical rehabilitation and spa treatment.</p>	<p>He knows the main natural healing factors, medicinal, drug therapy and other methods in patients in need of medical rehabilitation and spa treatment.</p>
	<p>To determine the need for the use of natural healing factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment</p>	<p>Determines the need for the use of natural healing factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment</p>
	<p>Master the skills of choosing an algorithm for determining the need for the use of natural therapeutic factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment</p>	<p>He has the skills to select an algorithm for determining the need for the use of natural therapeutic factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment</p>
<p>ПК-8 Willingness to</p>	<p>To know the patterns of conducting an examination of</p>	<p>He knows the patterns of conducting an examination of</p>

conduct an examination of temporary disability, participation in conducting a medical and social examination, and ascertaining the biological death of a person	temporary disability; patterns of participation in conducting a medical and social examination; patterns of ascertaining the biological death of a person.	temporary disability; patterns of participation in conducting a medical and social examination; patterns of ascertaining the biological death of a person.
	Be able to carry out an examination of temporary disability; participate in conducting a medical and social examination; establish the biological death of a person.	He is able to carry out an examination of temporary disability; participate in conducting a medical and social examination; establish the biological death of a person.
	Master the methods of conducting an examination of temporary disability; participation in conducting a medical and social examination; ascertaining the biological death of a person	He knows the methods of conducting an examination of temporary disability; participation in conducting a medical and social examination; ascertaining the biological death of a person
<b>IIK-9</b> Willingness to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of diseases, including education of patients and their relatives, early diagnosis, medical examinations, identification of the causes and conditions of diseases and elimination of harmful effects on human health factors its habitat	Know the principles of early diagnosis of diseases, screening	Knows the principles of early diagnosis of diseases, screening
	Be able to carry out measures for the early diagnosis of diseases	He is able to carry out measures for the early diagnosis of diseases
	Possess methods of early diagnosis of diseases, including the organization and conduct of screenings	He knows the methods of early diagnosis of diseases, including the organization and conduct of screenings
<b>IIK-10</b> Willingness to maintain medical records, apply social and hygienic methods for collecting and medico-statistical analysis of information on public health indicators and assessing the quality of medical care using basic medical	Know the socio-hygienic methods of collecting and medical statistical analysis of information on public health indicators	Knows the socio-hygienic methods of collecting and medical statistical analysis of information on public health indicators
	Be able to collect and analyze information about public health indicators	Is able to collect and analyze information about public health indicators
	Possess the skills of collecting and medico-statistical analysis of information on public health indicators	Possess the skills of collecting and medico-statistical analysis of information on public health indicators

and statistical indicators		
<p>ПК-11</p> <p>Willingness to apply the basic principles of organization and management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation, management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation</p>	<p>Know the Constitution of the Russian Federation; laws and other regulatory legal acts of the Russian Federation in the field of healthcare, consumer protection and sanitary and epidemiological welfare of the population; regulatory legal acts regulating health issues; theoretical foundations of social hygiene and healthcare organization, medical statistics; theoretical and organizational foundations of state sanitary and epidemiological surveillance and its provision; systems management and organization of labor in healthcare; statistics on the health status of the population; organization of emergency and primary health care: specialized, including high-tech medical care; organization of outpatient and polyclinic care for the population.</p>	<p>He Knows the Constitution of the Russian Federation; laws and other regulatory legal acts of the Russian Federation in the field of healthcare, consumer protection and sanitary and epidemiological welfare of the population; regulatory legal acts regulating health issues; theoretical foundations of social hygiene and healthcare organization, medical statistics; theoretical and organizational foundations of state sanitary and epidemiological surveillance and its provision; systems management and organization of labor in healthcare; statistics on the health status of the population; organization of emergency and primary health care: specialized, including high-tech medical care; organization of outpatient and polyclinic care for the population.</p>
	<p>Be able to perform functional duties when working as part of special health care units, formations and institutions of the disaster medicine service; participate in the organization and conduct of sanitary and hygienic measures in emergency situations, participate in the organization and conduct of anti-epidemic measures in emergency situations, carry out basic measures to protect the population, patients, medical personnel and medical property from the damaging factors of emergency situations; participate in surveillance and quarantine activities.</p>	<p>Is able to perform functional duties when working as part of special health care units, formations and institutions of the disaster medicine service; participate in the organization and conduct of sanitary and hygienic measures in emergency situations, participate in the organization and conduct of anti-epidemic measures in emergency situations, carry out basic measures to protect the population, patients, medical personnel and medical property from the damaging factors of emergency situations; participate in surveillance and quarantine activities.</p>
	<p>Possess methods of planning the activities of medical organizations; methods of economic analysis of the state of a medical organization; the use of legislative and regulatory documents regulating the</p>	<p>He is proficient in methods of planning the activities of medical organizations; methods of economic analysis of the state of a medical organization; the use of legislative and regulatory documents regulating the</p>



	functioning of the healthcare system of the Russian Federation; skills in maintaining official documentation in healthcare; skills in forming and analyzing accounting records of a medical organization, annual reports	functioning of the healthcare system of the Russian Federation; skills in maintaining official documentation in healthcare; skills in forming and analyzing accounting records of a medical organization, annual reports
<p>ПК-12</p> <p>Willingness to participate in scientific research, to analyze and publicly present medical information based on evidence-based medicine, and to introduce new methods and techniques aimed at protecting the health of citizens</p>	To know modern ways of conducting scientific research; moral and ethical norms, rules and principles of professional medical behavior, the rights of the patient and the doctor. Know the principles of evidence-based medicine; basic principles of information presentation.	knows modern ways of conducting scientific research; moral and ethical norms, rules and principles of professional medical behavior, the rights of the patient and the doctor. Know the principles of evidence-based medicine; basic principles of information presentation.
	Be able to use scientific literature, information library and Internet resources; critically evaluate modern theoretical concepts and trends in medicine. Be able to analyze objective, clinical, laboratory, experimental, and other data and formulate conclusions based on them about the most likely causes and mechanisms of the development of pathological processes, principles and methods of their diagnosis, treatment, and prevention; analyze and critically evaluate modern theoretical concepts and trends in medicine; plan and participate in conducting (in compliance with the relevant rules) clinical experiments; process and analyze experimental data; interpret the results of the most common diagnostic methods; carry out their activities taking into account the moral and legal norms accepted in society; comply with the rules of medical ethics.	He is able to use scientific literature, information library and Internet resources; critically evaluate modern theoretical concepts and trends in medicine. Be able to analyze objective, clinical, laboratory, experimental, and other data and formulate conclusions based on them about the most likely causes and mechanisms of the development of pathological processes, principles and methods of their diagnosis, treatment, and prevention; analyze and critically evaluate modern theoretical concepts and trends in medicine; plan and participate in conducting (in compliance with the relevant rules) clinical experiments; process and analyze experimental data; interpret the results of the most common diagnostic methods; carry out their activities taking into account the moral and legal norms accepted in society; comply with the rules of medical ethics.
	Possess a systematic approach to the analysis of medical information; skills in using the principles of evidence-based medicine; skills in analyzing the functioning of individual organs and systems in norm and	ossesses a systematic approach to the analysis of medical information; skills in using the principles of evidence-based medicine; skills in analyzing the functioning of individual organs and systems in norm and

	pathology; basic methods for assessing the functional state of the human body; skills in analyzing and interpreting the results of modern diagnostic technologies; skills in analyzing clinical syndromes; principles of medical deontology; skills in informing patients and their relatives in accordance with the requirements of the "informed consent" rules. Possess the skills of scientific analysis of medical information; skills of presenting medical information in front of an audience; willingness to answer questions; ability to formulate information in an academic medical style	pathology; basic methods for assessing the functional state of the human body; skills in analyzing and interpreting the results of modern diagnostic technologies; skills in analyzing clinical syndromes; principles of medical deontology; skills in informing patients and their relatives in accordance with the requirements of the "informed consent" rules. Possess the skills of scientific analysis of medical information; skills of presenting medical information in front of an audience; willingness to answer questions; ability to formulate information in an academic medical style
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### 3 GENERAL REQUIREMENTS AND PROCEDURE OF THE STATE EXAMINATION

#### 3.1. General requirements and procedure for conducting the state examination.

The state exam is conducted according to the approved State exam Program, which contains a list of questions submitted for the state exam and recommendations for students to prepare for the state exam, including a list of recommended literature. Before the state exam, a consultation (series of consultations) of students is conducted on issues included in the state exam program. The state interdisciplinary examination in the specialty 05/31/01 Medical practice is conducted in writing, the duration of the exam is four academic hours. The grades are based on the answers to the questions set in the ticket according to the methodology approved in the exam program. The discovery of unauthorized educational and methodological materials by the examination board, any means of transmitting information (electronic means of communication), is the basis for making a decision to give an unsatisfactory grade, regardless of whether these materials (means) were used in preparing the answer. At the end of the final exam, the examination committee discusses each student's written work in a closed meeting and issues an agreed final grade in accordance with the approved assessment criteria. In case of disagreement between the members of the examination commission on the final assessment based on the grades given by each member of the commission separately, the decision of the examination commission is made by a simple majority vote of the members of the commissions participating in the meeting, with the obligatory presence of the chairman of the commission or his deputy. If the number of votes is equal, the Chairman of the commission (or his deputy) has the casting vote. The state examination is conducted on tickets with questions on various sections of the state examination program. The completeness of knowledge on the state exam is assessed by the answers to theoretical questions, the availability of skills is assessed by the performance of practical tasks and by the answers to practical questions. The possession of experience and the expression of personal readiness for professional self-improvement are assessed by the content of the portfolio (Appendix 3). According to the results of the state examination, statements are drawn up (Appendices 1 and 2) indicating the examination grade and the level of competence

### **3.2. Порядок проведения государственного экзамена для выпускников из числа лиц с ограниченными возможностями здоровья**

For graduates with disabilities, the state examination is conducted by the University, taking into account the characteristics of the psychophysical development, individual capabilities and health status of such graduates. When conducting a state exam, the following general requirements are met: - conducting a state exam for people with disabilities in the same classroom together with graduates who do not have disabilities, if this does not create difficulties for graduates when passing the IGE; -the presence of an assistant in the classroom who provides graduates with the necessary technical assistance, taking into account their individual characteristics (to take a workplace, move around, read and complete an assignment, communicate with members of the GEK); --the use of technical means necessary for graduates to complete the Unified State Exam, taking into account their individual characteristics; ensuring the possibility of unhindered access of graduates to classrooms, restrooms and other rooms, as well as their stay in these rooms.

### **4. STATE EXAM PROGRAM**

The state exam is conducted in the disciplines of the main professional educational program, the results of which are crucial for the professional activities of graduates. The state final certification is designed to determine the general professional and professional competencies of a graduate in the specialty 05/31/01 Medical practice, which determine his readiness to solve professional tasks established by the Federal State Educational Standard, contributing to his stability in the labor market. Successful completion of the GIA is the basis for issuing a student a document on higher education and qualifications of the sample established by the Ministry of Education and Science of the Russian Federation. The exam consists of the student's response to ticket questions and answers to clarifying and additional questions from the members of the commission. The purpose of the interview is to identify the depth of graduates' theoretical training and the ability to comprehensively approach problematic situations in matters of professional activity. When preparing for an oral answer, students make the necessary notes on ticket issues on sheets of paper issued by the technical secretary of the GEK with the stamp of the issuing department. The exam starts at the scheduled time in the presence of For each condition and disease, the student needs to know: - etiology and pathogenesis; - modern classification; - clinical picture, features of the course and possible complications of diseases in different age groups; - the syndromology of lesions of various organs and systems using knowledge gained in applied disciplines; - diagnostic methods that make it possible to make a diagnosis; - substantiation of patient management tactics, methods of drug and non-drug treatment, prevention, determination of prognosis. Assessment of the level of ability to solve specific professional tasks is carried out in the form of an interview on situational tasks of a professional nature in clinical disciplines, public health and public health. Each ticket contains 2 tasks in clinical disciplines.

**5. FUND OF APPRAISAL FUNDS 5.1** Standard control tasks or other materials necessary for evaluating learning outcomes, characterizing the stages of competence formation and (or) for the final control of competence formation Examples of questions/practical assignments and tasks submitted for the state interdisciplinary exam.

The content of the question/practical assignment, tasks	Verifiable general cultural competencies										
	YK-1	YK-2	YK-3	YK-4	YK-5	YK-6	YK-7	YK-8	YK-9	YK-10	YK-11
An assistant epidemiologist at the epidemiological examination of the outbreak of an infectious disease found that an outbreak of salmonellosis occurred in a tourist camp in the summer. There are 200 tourists in the camp, divided into 8 groups. Tourists fell ill only in one group 1-2 hours after lunch. All groups of tourists ate in the common dining room. On the day of the illness, the affected group was late for lunch due to delays in the tour and did not have lunch at 13 o'clock, as expected according to the daily schedule, but at about 17 o'clock. Lunch for this group was stored in the kitchen and was slightly warmed up before serving. Tasks: 1. Make a guess about the cause and type of the outbreak. 2. How can the primary or secondary contamination of food products be determined in this case? 3. Outline a set of anti-epidemic measures aimed at the first link of the epidemic process. 4. List the basic principles of salmonella prevention. 5. Draw up a set of measures in the outbreak in relation to the second link of the epidemic process.	+										
The functions of the sanitary and epidemiological service in the system of anti-epidemic provision of the population are all listed, except one. Which one? Possible answers: a) organizational; b) methodical; c) statistical information; d) analytical; e) control.											+
What is materialism? A) orientation towards the acquisition of material goods B) financial incentives		+									

to work C) the primacy of the material											
What is a society? A) the system of connections and relationships between people B) a collection of people C) the general accommodation of people										+	
Agreement on the creation of a single economic space between Russia and Belarus, Ukraine and Kazakhstan signed in: a) 2000; b) 2004; c) 2002; d) 2006.			+								
The Agreement on the establishment of the Commonwealth of Independent States (CIS) was signed Chapters: a) Russia, Belarus and Ukraine; b) Russia, Kazakhstan and Lithuania; c) Moldova, Belarus and Uzbekistan; d) Russia, Ukraine and Georgia.									+		
A 20-year-old woman in labor had an eclampsia attack in the second period of timely delivery, when the fetal head was located in a narrow part of the pelvic cavity. The diagnosis? What are the tactics of further labor management?				+							
• Which of the above can be used to relieve withdrawal symptoms in a somatic hospital: • - vitamins B1, B6, C • - sedative antipsychotics (aminazine, tiserline) • - thiol preparations (sodium thiosulfate, unithiol) • - tranquilizer treatment • - salt solutions				+							
Tell us about the formation and development of medical education in Russia.					+						
What is hardening? 1. Increasing the body's resistance to environmental factors through their systematic effects on the body 2. Prolonged exposure to the cold, in order to get used to low temperatures 3. List of procedures for exposure to cold 4. Swimming in winter						+					
Physical culture as a specific type of social activity is by its nature: a) unidirectional b) multifunctional c) monofunctional d) directive						+					
The Unified State Emergency Prevention and Response system: tasks, structure, forces and means.							+				
Safety of the population and territories in emergency situations.							+				
Which of the following specialists has the right to be an attending physician: a) a student of a higher medical educational institution undergoing internship at this medical institution b) a student at an educational institution of postgraduate professional education (intern, clinical resident) on the basis of this medical institution c) a specialist who has a diploma from a higher medical educational institution and a corresponding specialist certificate, who is studying at the advanced training cycle on the basis of this medical institution d) none of the above								+			
Medical ethics is: 1 a specific manifestation of general ethics in the work of a doctor 2 a science that examines issues of medical humanism, problems of honor, duty, conscience and dignity 3 a science that helps a doctor develop the ability to be morally oriented in difficult situations requiring high moral, business and social qualities 4 the science of behavior in the								+			

performance of professional duties a) 1,2,3 is true b) 1.3 is true c ) 2.4 is true d) all of the above											
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The content of the question/practical assignment, tasks	Verifiable general professional competencies										
	ОПК-1	ОПК-2	ОПК-3	ОПК-4	ОПК-5	ОПК-6	ОПК-7	ОПК-8	ОПК-9	ОПК-10	ОПК-11
Research methods used in neurology. Methods of neuroimaging and functional diagnostics: EEG, EchoEG, CT, MRI, ultrasound, radiography, diagnostic features of each method.	+										
Термин, обозначающий эксперимент на живом организме: 1).experimentum in vitro 2). Injection in venam jugularem 3). Experimentum in vivo 4). Submusculus dorsi 5). Deossibus cranii		+									
Prepare a short presentation of about two minutes, talking about your research experience. Explain its relevance and give reasons. Talk about your plans, aims, and ambitions. Use guidelines 1-4 to plan your ideas.		+									

Which of the following legal acts enshrines the right of citizens to free medical care? 1 The Constitution of the Russian Federation (1993) 2 The Criminal Code of the Russian Federation 3 Federal Law "On the basics of public health protection in the Russian Federation" 4 Civil Code of the Russian Federation a) true 1,2,3 b) 1.3 is true c ) 2.4 is true d) all of the above			+								
In which cases medical intervention is performed with the consent of the parent or legal representative of the patient: a) if the patient is under the age of 15 b) between the ages of 15 and 18 if medical intervention is refused c) in all cases when it is impossible to obtain the patient's consent			+								
In which of the following cases is it permissible to transfer information constituting a medical secret: 1 at the request of the bodies of inquiry and investigation, and the court in connection with an investigation or trial 2 for the purpose of examining and treating a citizen who is unable to express his will due to his condition 3 in the case of assistance to a minor under the age of 15 years to inform his parents, legal representatives of 4 in the event of the threat of the spread of infectious diseases, mass poisoning and battles a) true 1,2,3 b) 1.3 is true c ) 2.4 is true d) all of the above				+							
Which of the following models of the doctor-patient relationship is the most rational from the perspective of the patient's interests: a) the "engineering and technical model" - the doctor as a specialist b) the "paternalistic model" – the doctor as a "spiritual father" c) the "cooperative model" – the cooperation of the doctor and the patient d) the "contractual model" - the doctor as a "provider" and the patient as a consumer of medical services				+							
The decision on the patient's insanity can be made by: • - a commission of psychiatrists conducting a forensic psychiatric examination - by a court decision based on the conclusion of the commission of psychiatrists conducting the examination - by definition of the prosecutor - all the listed statements are correct					+						
• Psychiatric examination of a person without his consent is permissible at the request of relatives, an official or a doctor of any medical specialty: - if he refuses to accept supportive therapy - if he poses an immediate danger to himself or others - if he is helpless due to mental illness, that is, unable to independently meet basic life needs - if the failure to provide psychiatric care causes significant harm to his health due to the deterioration of his mental state - if he applies to various authorities with complaints.					+						
On a special flight to the city of O., a plane arrived with 15 geologists who worked in a						+					

country that was troubled by particularly dangerous infections. The passengers of the plane were observed for 5 days in the colony of Russian geologists before arriving in the city. During the inspection at the airport's sanitary control point, no signs of illness were found in the arrivals. The next day, one of the geologists stationed in the dormitory had diarrhea, followed by a single vomiting, general weakness, and dizziness. The general condition of the patient progressively worsened: body temperature – 35.8 ° C, confusion was noted, vomiting became uncontrollable, multiple watery stools in the form of "rice broth". The roommates called the doctor to the patient through the dormitory attendant. 1. Your diagnosis and its justification. 2. How to confirm this disease. 3. Make a treatment plan and anti-epidemic measures. 4. Fill out the necessary documents for the identification of this pathology										
Electromagnetic ionizing radiation includes... a) Alpha particles, beta particles; b) Alpha particles, neutrons; c) X-ray radiation, gamma radiation; d) Gamma radiation, IR radiation; e) X-ray radiation, neutrons; f) IR radiation, beta particles.						+				
The patient, a 47-year-old woman, receives Ciprofloxacin (tablets) and furazidine (tablets) medications for recurrent MVP infection at the same time. On the 7th day of treatment, he complains of a burning sensation when urinating, discoloration of urine, pain in the ankle joints when walking, and a skin rash (hyperemia of exposed skin areas is visible). - Can these symptoms be related to taking medications? If so, with which ones, and are the same effects possible for other antibiotics? - Which groups of antibacterial agents are rational to use for urinary tract and kidney infections? - Group of nitrofurans: representatives (international names), main indications, side effect.							+			
The patient, a 25-year-old man undergoing outpatient treatment for a recurrence of chronic tonsillitis (t=37.5, sore throat, purulent deposits on the tonsils, enlarged cervical lymph nodes), was prescribed Cefazolin intramuscularly (1 g x 2 r /day). It is known from the medical history that the patient had a reaction (Quincke's edema) to intramuscular administration of ampicillin a year ago. - Are antibacterial agents indicated in this situation (explain why)? - Evaluate the feasibility of choosing an antibiotic and the route of its administration. What are the patterns in the development of allergies to penicillins and other antibacterial drugs? What alternative means are available, and what forms of release would be preferable in their case?							+			



A welder came to the clinic complaining of stiffness and slowness of movement. He had 22 years of professional experience, worked at a shipyard, welded ship hull parts. Objectively, the general practitioner revealed: hypomimia, increased muscle tone of the "gear wheel" type, small amplitude tremor of the head and fingers. Moderate cognitive disorders were found during psychometric testing. (OPK-9, PC-5) Task: 1) Topical diagnosis? 2) What is the most likely clinical diagnosis? 3) Do I need to be hospitalized? 4) Which additional research methods are most informative for clarifying the diagnosis? 5) Principles of therapy? 6) Possible outcomes of the disease?								+		
A 19-year-old girl had a fever of 39.5 degrees after hypothermia, severe pain in her left side, and shortness of breath. Auscultationally, breathing over the left lung is not heard, percussive – dullness below the 5th rib along the middle axillary line with a characteristic upper boundary along the Ellis-Domoiseau line. An X-ray of the lungs confirmed the presence of fluid in the left pleural cavity, but no other changes were found in the lungs. During puncture of the pleural cavity in the therapeutic department, where the patient was hospitalized, about 600.0 yellowish viscous liquid was extracted. In the laboratory examination of the punctate: specific gravity – 1016, protein – 3.2%, lymphocytes - 48%. What is your presumptive diagnosis, its rationale, and treatment tactics?								+		
First aid in case of drowning, except: a) removal of water from the respiratory tract of the victim; b) removal of water from the stomach by inserting a probe; c) artificial respiration; d) indirect heart massage; e) urgent hospitalization.									+	
The drainage position is given to the patient in order to a) facilitate the outflow of sputum b) bronchial dilation c) reduction of shortness of breath d) improvement of cerebral circulation									+	
Prepare a set of tools, materials, medicines and primary surgical treatment of the wound										+
Performing basic resuscitation measures, demonstrating defibrillator techniques										+

The content of the question/practical assignment, tasks	Verifiable professional competencies											
	ПК-1	ПК-2	ПК-3	ПК-4	ПК-5	ПК-6	ПК-7	ПК-8	ПК-9	ПК-10	ПК-11	ПК-12
An assistant epidemiologist at the epidemiological examination of the outbreak of an infectious disease found that epidemic typhus was diagnosed in a 40-year-old man who arrived half a month ago from Central Asia with his wife and a 9-year-old child. He lives in rural areas, mixed pediculosis has been detected in the outbreak. Tasks: 1. Make a guess about the place and mechanism of infection of the man. 2. Outline the measures aimed at the first link of the epidemic process. 3. Specify the necessary measures for the second link of the epidemic process. 4. List the contents of the anti-radicular package. 5. Draw up a set of preventive measures for family members of the sick person.	+											
A 46-year-old patient, an artist, fluorography revealed cavernous tuberculosis of the upper lobe of the right lung, CD was detected by seeding. He has been suffering from diabetes for 25 years. He lives with his wife and an adult son, 23 years old, a secondary school teacher, in a two-room communal apartment. Determine the type of bacillary focus and the activities in it.	+											
Responsible for the organization and conduct of medical examinations and preventive medical examinations at the therapeutic site The district doctor is responsible for organizing and conducting medical examinations and preventive medical examinations at the therapeutic site b) head of the prevention department c) chief physician of the polyclinic d) chairman of the medical commission of the medical institution		+										
The III health group includes: a) persons with risk factors for chronic non-communicable		+										

diseases b) persons without risk factors for chronic non-communicable diseases d) persons with chronic diseases in need of regular monitoring and treatment												
The manifestations of the epidemic process can be discussed when: Possible answers: a) the presence of cholera vibrio in the water; b) the presence of animals with brucellosis; c) the mass incidence of influenza in humans; d) detection of malaria plasmodium in mosquitoes; e) otitis media in children with scarlet fever.			+									
An assistant epidemiologist, while conducting an epidemiological examination of a particularly dangerous infection site together with an epidemiologist, found out that a plague patient had been identified in one of the medical institutions. Tasks: 1. Tell us what all healthcare facilities should have in case of detection of plague patients. 2. Create a set of anti-plague measures in a medical facility. 3. List the activities aimed at the first link of the epidemic process. 4. Specify anti-epidemic measures for the second link of the epidemic process. 5. Outline measures for those in contact with the patient			+									
The group of patients participating in the study of the new drug is characterized by a normal height distribution with an average of 175.7 cm and a standard deviation of 30.47 cm. 1. Calculate the proportion of patients whose height is less than 165.24 or more than 186.59, and save it in the variable p10. 2. Calculate the height value such that 55% of patients have a higher height, and save it in the variable p11. 3. Calculate the height values that limit the range beyond which 21% of patients are located based on this attribute, and save them in the p12 variable.				+								
A 29-year-old patient went to an antituberculous dispensary complaining of weakness, dry cough, aching pains in the area of the right shoulder blade, and weight loss. He considers himself ill for about 2 months. On objective examination: clear pulmonary sound above all pulmonary fields, moist medium-bubbly wheezing during auscultation on the right in the interscapular region. There is no pathology on the part of other internal organs. Blood: L-9800, E-1, P-6, S-62, L-25, M-6, ESR-23 mm/h. Sputum –BC(-), elastic fibers (+). Tuberculin samples: R. Mantoux – 15 mm. Radiologically, on the right, in the 2nd segment, there is a rounded shadow of 3-4 cm in size, of medium intensity with clear contours, inhomogeneous due to the inclusion of calcifications and areas of illumination. Around the shadow there are a few medium and low intensity shadows of foci with indistinct contours.					+							

The most specific skin lesion for Reiter's disease is: a) ring-shaped erythema in the joints b) petechial rash of the upper third of the chest d) heliotropic paraorbital edema e) erythema in the form of a butterfly on the cheekbones f) keratoderma of the soles					+							
A 60-year-old patient was admitted to the surgical department 6 days after the onset of pain in the right iliac region. The patient's condition is satisfactory. The temperature is 37.2°. There was no chill. Palpation of the abdomen reveals soreness in the right iliac region, where a 7×8 cm lump with indistinct boundaries is detected, painful. The Shchetkin-Blumberg symptom is weakly positive. The symptoms of Rovsing and Sitkovsky are positive. According to the patient, there has been a slight increase in constipation over the past 6 months. Leukocytosis – 10.2×10 <sup>9</sup> /L. 1) What is your presumptive diagnosis? 2) Which disease should be excluded? 3) Is an emergency operation indicated? 4) What are your treatment tactics and examinations?						+						
Moderate bronchial asthma is characterized by: a) daily asthma symptoms b) asthma symptoms 1 time a week c) nocturnal symptoms more than 1 time a week d) seizures occur with distinct disturbances in the function of external respiration, reduced exercise tolerance e) after an attack, coughing with sputum discharge, scattered, intermittent wheezing in the lungs may persist						+						
The duties of the district physician do not include a) providing medical care b) referral for sanatorium treatment c) determining the disability group d) issuance of a disability certificate							+					
Of the listed specialists, the right to issue documents certifying temporary disability is: a) the doctor of the ambulance station b) the doctor of the blood transfusion station c) the doctor of the balneotherapy clinic d) all the answers are incorrect e) forensic medical expert							+					
Differential diagnosis of focal lung diseases. The syndrome of the middle lobe. Medical tactics								+				
Chronic obstructive pulmonary disease, etiology, pathogenesis, classification, clinic, diagnosis, differential diagnosis, complications, treatment and prevention								+				

A 47-year-old woman working at the registry office of a district polyclinic suffers from rheumatic cardiomyopathy, a permanent form of atrial fibrillation. While working, she fell due to a sudden weakness in her left limbs. The neurologist of the polyclinic who examined her revealed left-sided hemiparesis, left-sided hemihypesthesia and hemianopia. Tasks: 1) Make a presumptive clinical diagnosis. 2) Is hospitalization required?									+			
The examination plan for a patient with bronchoobstructive syndrome in a polyclinic includes: a) general blood test b) spirometry c) general sputum analysis +VC, + AC d) chest X-ray									+			
What is the use of emergency therapy for pulmonary edema in mitral stenosis and sinus rhythm? a) digitalis b) nitroglycerin c) lasix intravenously d) corglycone or strophanthine in small doses e) strophanthine in full doses										+		
Perform the removal of a foreign body from the conjunctiva, the external auditory canal, from the nasal cavity, from the oral cavity										+		
Performing basic resuscitation measures, demonstrating defibrillator techniques											+	
. Acute lung injury and respiratory distress syndrome. Etiology. Diagnostic scales. Intensive care methods.											+	
The duration of pregnancy and the date of birth can be determined by: 1. the first day of the last menstruation; 2 the date of the first movement of the fetus; 3. First appearance; 4. the weight of the pregnant woman; 5. the last day of the last menstruation; 6. the size of the female pelvis;												+
Clinic and management of the second period of physiological labor. Obstetric aid in the second period of labor. Treatment of the hands of medical personnel, the surgical field during childbirth or during surgery.												+
An administrative building in the immediate vicinity of the supply and evacuation routes has been selected for the deployment of a separate medical center on the border of the chemical lesion. You have been appointed to the position of commander of a separate medical center. What clarifying information should you find out in order to ensure the effective operation of a separate medical center?											+	
A group of young people were returning home from college. Suddenly, the guys heard an explosion in the area of the railway station and saw a yellow-green cloud rushing up, which smoothly										+		

sank down and began to spread along the street in the direction of the wind, increasing in size. Determine the nature of the infection. Decide on further actions												
The concept, etiology, pathogenesis and classification of hypertension. Mechanisms of therapeutic effect of physical exercises in hypertensive disease. Basic principles of rehabilitation Patients with hypertension.									+			
Principles of exercise dosing. Therapeutic, toning and training dosages of loads.	+											
Active motor mode and health. The effect of physical inactivity on health. Assessment of motor activity by energy consumption. Calculation of the energy consumption level depending on the load level.					+							
Nutrition of athletes. The peculiarities of nutrition in the preparatory, competitive and post-competitive periods. Nutrition features in various sports and different climatic zones.			+									
Factors that favorably affect human health include a) a healthy lifestyle b) high-calorie diet c) overweight d) physical inactivity									+			
a) The formation of a healthy lifestyle is ensured by carrying out activities aimed at informing citizens about the risk factors for their health b) by carrying out mandatory immunoprophylaxis c) by informing about new achievements in the field of disease treatment d) by advertising specialized types of nutrition												+
Which method of choosing the final management solution is most acceptable in healthcare management? a) based on intuition b) based on the knowledge and experience of the supervisor c) based on the analysis of the situation					+							
The effectiveness of the healthcare system is understood as: a) the correctness of the task statement b) the degree of financial support c) the amount of human resources d) the quality of the medical staff 's work; e) the rational use of available resources in order to achieve maximum results		+										
Of the quantitative criteria for the level of public health of the population, the main indicator of national health is: a) infant mortality rate b) labor potential of the population c) life expectancy d) infant mortality e) perinatal mortality							+					
During the fire, the injured K. suffered burns to the front half of his body and both upper limbs up to the elbow joint (redness, swelling, burning, pain, and blisters with a light transparent liquid formed in some places). Determine the severity and area of the burn.												

Provide medical assistance to the burned person.												
The concept of thermal inhalation injury (TIT). Diagnosis of TIT. Features TITUS. First medical, pre-medical, first medical aid for TIT.										+		
An increase in one of the three listed markers was found in the patient's blood during the manifestation of Alzheimer's disease: NSE (neuron-specific enolase), GFAP (glial fibrillary acid protein) SB100 (intracellular protein marker of activated astrocytes) Task: 1) Which of these markers was enlarged and why? 2) Describe the current strategy for finding biomarkers of neurodegenerative diseases. The reasons for the search, the need for large multicenter studies.				+								
Most studies indicate that most neurodegenerative diseases (primarily Alzheimer's and Parkinson's diseases) one way or another, it leads to a violation of the energy metabolism of brain cells, primarily neurons. At the same time, the very fact of having a neurodegenerative disease is not associated with a violation of the blood supply to the brain. Considering all of the above, assume the need to use additional groups of drugs in the treatment of these pathologies.: Task: 1) is it advisable to use antihypoxants and at which stage of the disease is the use of these drugs most important? 2) Is it advisable to use neuroprotectors? 3) Which drugs of endocannabinoids and metalloproteinase 9 blockers have been clinically tested? Is it advisable to prescribe them for Parkinson's disease?					+							
Electrophysiological approaches to early diagnosis and differential diagnosis of Parkinson's disease								+				
What are the modern tomographic diagnostic methods?: 1) X-ray tomography; 2) Computed tomography; 3) Electron beam tomography; 4) Magnetic resonance imaging; 5) Positron emission tomography; 6) Single-photon emission computed tomography; 7) Optical coherence tomography;	+											

## 5.2 Assessment criteria for the State exam

• assessment of the ability to solve specific professional tasks: The purpose of the interview is to identify the depth of the theoretical training of graduates and the ability to comprehensively approach problematic situations in matters of professional activity.

Evaluation indicators	Criteria	Mark
Level zero-competencies have not been formed	The student's lack of knowledge within the framework of the questions of the material or refusal to answer. The student showed fragmentary medical knowledge, knowledge of individual literary sources recommended by the curriculum, as well as inability to use scientific terminology; there are gross stylistic and logical errors in the answer; cannot correctly answer most questions, tasks and additional questions; cannot formulate a diagnosis or misdiagnoses.	poor
Low level	Insufficient amount of knowledge; knowledge of part of the main literature; use of scientific terminology, presentation of answers to questions with significant logical errors; poor command of basic medical concepts and terms, incompetence in solving standard (standard) tasks; inability to navigate the basic theories, concepts and directions of modern medicine; the student is oriented in the disease, but cannot diagnose in accordance with classification	satisfactory
The average level	Complete and generally systematic knowledge; use of the necessary scientific terminology, stylistically competent, logically correct presentation of the answer to questions, the ability to draw reasonable conclusions, but some insignificant details may be missed; possession of scientific conceptual tools of modern medicine with minor errors, the ability to use it in solving professional problems; the ability to independently perform standard tasks; correctly makes a diagnosis, but makes inaccuracies in its justification; mastering the basic literature recommended by the academic programs of the disciplines; the ability to navigate the basic theories, concepts and directions of modern medicine.	good
High level	Systematic, deep and complete knowledge of all sections of the examination material for the exam; accurate use of scientific terminology (including in a foreign language), stylistically competent, logically correct presentation of answers to questions; possession of the tools of academic disciplines included in the questions of the examination material, the ability to effectively use it in the formulation and solution of educational and professional tasks; correct diagnosis, taking into account the accepted classification; the ability to independently and creatively solve complex problems in an unusual situation within the curricula of the disciplines of the examination material; full mastery of the basic and additional	excellent



	literature recommended by the curricula of the disciplines included in the questions of the examination material; the ability to navigate the basic theories, concepts and directions in the studied disciplines and give them a critical assessment	
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Descriptors (indicators) of competence formation, the assessment of which is submitted to the state examination

Competence Code	Characteristics of competence	Assessment of competence formation			
		<i>poor</i>	<i>satisfactory</i>	<i>good</i>	<i>excellent</i>
YK-1	He is able to carry out a critical analysis of problematic situations based on a systematic approach, to develop a strategy of action	He is unable to carry out a critical analysis of problematic situations based on a systematic approach, to develop a strategy of action	Partially able to carry out a critical analysis of problematic situations based on a systematic approach, to develop a strategy of action	He is generally able to carry out a critical analysis of problematic situations based on a systematic approach, to develop a strategy of action	At a high level He is able to carry out a critical analysis of problematic situations based on a systematic approach, to develop a strategy of action
YK-2	He is able to manage the project at all stages of its life cycle	He is unable to manage the project at all stages of its life cycle	Partially able to manage the project at all stages of its life cycle	Is generally able to manage the project at all stages of its life cycle	At a high level He is able to manage the project at all stages of its life cycle
YK-3	He is able to organize and manage the work of the team, developing a team strategy to achieve the goal.	He is unable to organize and manage the work of the team, developing a team strategy to achieve the goal.	Partially able to organize and manage the work of the team, developing a team strategy to achieve the goal.	He is generally able to organize and manage the work of the team, developing a team strategy to achieve the goal.	At a high level He is able to organize and manage the work of the team, developing a team strategy to achieve the goal.

YK-4	Is able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	Is unable to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	Partially able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	Is generally able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	At a high level He is able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction
YK-5	Is able to analyze and take into account the diversity of cultures in the process of intercultural interaction	Is unable to analyze and take into account the diversity of cultures in the process of intercultural interaction	Partially able to analyze and take into account the diversity of cultures in the process of intercultural interaction	He is generally able to analyze and take into account the diversity of cultures in the process of intercultural interaction	At a high level He is able to analyze and take into account the diversity of cultures in the process of intercultural interaction
YK-6	He is able to determine and implement the priorities of his own activities and ways to improve them based on self-assessment and lifelong education	He is unable to determine and implement the priorities of his own activities and ways to improve them based on self-assessment and lifelong education	He is partially able to determine and implement the priorities of his own activities and ways to improve them based on self-assessment and lifelong education	He is generally able to determine and implement the priorities of his own activities and ways to improve them based on self-assessment and lifelong education	At a high level He is able to determine and implement the priorities of his own activities and ways to improve them based on self-assessment and lifelong education

YK-7	Is able to maintain an adequate level of physical fitness to ensure full-fledged social and professional activities	Is unable to maintain an adequate level of physical fitness to ensure full-fledged social and professional activities	Partially able to maintain an adequate level of physical fitness to ensure full-fledged social and professional activities	He is generally able to maintain an adequate level of physical fitness to ensure full-fledged social and professional activities	At a high level He is able to maintain an adequate level of physical fitness to ensure full-fledged social and professional activities
YK-8	It is capable of creating and maintaining safe living conditions in daily life and in professional activities to preserve the natural environment and ensure the sustainable development of society, including in the event of threats and emergencies and military conflicts.	It is not capable of creating and maintaining safe living conditions in daily life and in professional activities to preserve the natural environment and ensure the sustainable development of society, including in the event of threats and emergencies and military conflicts.	It is partially capable of creating and maintaining safe living conditions in daily life and in professional activities to preserve the natural environment and ensure the sustainable development of society, including in the event of threats and emergencies and military conflicts.	He is Generally capable of creating and maintaining safe living conditions in daily life and in professional activities to preserve the natural environment and ensure the sustainable development of society, including in the event of threats and emergencies and military conflicts.	At a high level He is able capable of creating and maintaining safe living conditions in daily life and in professional activities to preserve the natural environment and ensure the sustainable development of society, including in the event of threats and emergencies and military conflicts.
YK-9	Is able to use basic defectological knowledge in the social and professional spheres	Is unable to use basic defectological knowledge in the social and professional spheres	Partially able to use basic defectological knowledge in the social and professional spheres	Is generally able to use basic defectological knowledge in the social and professional spheres	At a high level He is able to use basic defectological knowledge in the social and professional spheres

YK-10	Is able to make informed economic decisions in various areas of life	Is unable to make informed economic decisions in various areas of life	Partially able to make informed economic decisions in various areas of life	He is generally able to make informed economic decisions in various areas of life	At a high level He is able to make informed economic decisions in various areas of life
YK-11	He is capable of forming an intolerant attitude towards manifestations of extremism, terrorism, and corrupt behavior and countering them in his professional activities	He is not capable of forming an intolerant attitude towards manifestations of extremism, terrorism, and corrupt behavior and countering them in his professional activities	He is partially capable of forming an intolerant attitude towards manifestations of extremism, terrorism, and corrupt behavior and countering them in his professional activities	He is generally capable of forming an intolerant attitude towards manifestations of extremism, terrorism, and corrupt behavior and countering them in his professional activities	At a high level He is able to form an intolerant attitude towards manifestations of extremism, terrorism, and corrupt behavior and countering them in his professional activities
ОПК-1	He is able to implement moral and legal norms, ethical and deontological principles in professional activities	He is unable to implement moral and legal norms, ethical and deontological principles in professional activities	Partially able to implement moral and legal norms, ethical and deontological principles in professional activities	Generally able to implement moral and legal norms, ethical and deontological principles in professional activities	At a high level He is able to implement moral and legal norms, ethical and deontological principles in professional activities

ОПК-2	Is able to carry out and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	Is unable to carry out and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	Partially able to carry out and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	Generally able to carry out and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	At a high level He is able to monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population
ОПК-3	Is capable of countering and combating the use of doping in sports	Is not capable of countering and combating the use of doping in sports	Partially capable of countering and combating the use of doping in sports	Generally capable of countering and combating the use of doping in sports	At a high level He is able to countering and combating the use of doping in sports
ОПК-4	He is able to use medical devices provided for by the procedure for providing medical care, as well as to conduct examinations of the patient in order to establish a diagnosis.	He is unable to use medical devices provided for by the procedure for providing medical care, as well as to conduct examinations of the patient in order to establish a diagnosis.	He is partially able to use medical devices provided for by the procedure for providing medical care, as well as to conduct examinations of the patient in order to establish a diagnosis.	He is generally able to use medical devices provided for by the procedure for providing medical care, as well as to conduct examinations of the patient in order to establish a diagnosis.	At a high level He is able to to use medical devices provided for by the procedure for providing medical care, as well as to conduct examinations of the patient in order to establish a diagnosis.

ОПК-5	He is able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems.	He is unable to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems.	He is partially able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems.	In general, he is well able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems.	At a high level He is able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems.
ОПК-6	He is able to organize patient care, provide primary health care, ensure work organization and professional decision-making in case of urgent conditions at the pre-hospital stage, in emergency situations, epidemics and in mass destruction centers	He is unable to organize patient care, provide primary health care, ensure work organization and professional decision-making in case of urgent conditions at the pre-hospital stage, in emergency situations, epidemics and in mass destruction centers	He is partially able to organize patient care, provide primary health care, ensure work organization and professional decision-making in case of urgent conditions at the pre-hospital stage, in emergency situations, epidemics and in mass destruction centers	He is generally able to organize patient care, provide primary health care, ensure work organization and professional decision-making in case of urgent conditions at the pre-hospital stage, in emergency situations, epidemics and in mass destruction centers	At a high level He is able to organize patient care, provide primary health care, ensure work organization and professional decision-making in case of urgent conditions at the pre-hospital stage, in emergency situations, epidemics and in mass destruction centers
ОПК-7	Is able to prescribe treatment and monitor its effectiveness and safety	Is unable to prescribe treatment and monitor its effectiveness and safety	Partially able to prescribe treatment and monitor its effectiveness and safety	He is generally able to prescribe treatment and monitor its effectiveness and safety	At a high level He is able to prescribe treatment and monitor its effectiveness and safety

ОПК-8	Is able to implement and monitor the effectiveness of the patient's medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for the disabled, to assess the patient's ability to work	He is unable to implement and monitor the effectiveness of the patient's medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for the disabled, to assess the patient's ability to work	Partially able to implement and monitor the effectiveness of the patient's medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for the disabled, to assess the patient's ability to work	In general is able to implement and monitor the effectiveness of the patient's medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for the disabled, to assess the patient's ability to work	At a high level, he is able to implement and monitor the effectiveness of the patient's medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for the disabled, to assess the patient's ability to work
ОПК-9	He is able to implement the principles of quality management in his professional activities.	He is unable to implement the principles of quality management in his professional activities.	He is partially to implement the principles of quality management in his professional activities.	In general is able to implement the principles of quality management in his professional activities.	At a high level, he is able to implement the principles of quality management in his professional activities.
ОПК-10	He is able to understand the principles of modern information technologies and use them to solve professional problems	He is unable to understand the principles of modern information technologies and use them to solve professional problems	He is partially able to understand the principles of modern information technologies and use them to solve professional problems	In general is able to understand the principles of modern information technologies and use them to solve professional problems	There is a high level of readiness to understand the principles of modern information technologies and use them to solve professional problems
ОПК-11	Is able to prepare and apply scientific,	Is not able to prepare and apply scientific,	Partially able to prepare and apply	In general is able to prepare and apply	There is a high level of readiness to prepare



	scientific, production, design, organizational, managerial and regulatory documentation in the healthcare system	scientific, production, design, organizational, managerial and regulatory documentation in the healthcare system	scientific, scientific, production, design, organizational, managerial and regulatory documentation in the healthcare system	scientific, scientific, production, design, organizational, managerial and regulatory documentation in the healthcare system	and apply scientific, scientific, production, design, organizational, managerial and regulatory documentation in the healthcare system
IIK-1	Is ready to carry out anti-epidemic measures, organization of protection of the population in foci of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations.	Is not ready to carry out anti-epidemic measures, organization of protection of the population in foci of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations.	Is partly ready to carry out anti-epidemic measures, organization of protection of the population in foci of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations.	In general, there is a good willingness to carry out anti-epidemic measures, organization of protection of the population in foci of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations.	There is a high level of readiness to carry out anti-epidemic measures, organization of protection of the population in foci of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations.

IIK-2	Willingness to recognize conditions that occur with sudden acute illnesses, exacerbation of chronic diseases that require urgent or emergency care, and to participate in providing emergency medical care for these conditions that require urgent medical intervention, including in emergency situations, and to participate in medical evacuation	Is not ready to recognize conditions that occur with sudden acute illnesses, exacerbation of chronic diseases that require urgent or emergency care, and to participate in providing emergency medical care for these conditions that require urgent medical intervention, including in emergency situations, and to participate in medical evacuation	Partly ready to recognize conditions that occur with sudden acute illnesses, exacerbation of chronic diseases that require urgent or emergency care, and to participate in providing emergency medical care for these conditions that require urgent medical intervention, including in emergency situations, and to participate in medical evacuation	In general, there is a good willingness to recognize conditions that occur with sudden acute illnesses, exacerbation of chronic diseases that require urgent or emergency care, and to participate in providing emergency medical care for these conditions that require urgent medical intervention, including in emergency situations, and to participate in medical evacuation	There is a high level of readiness to recognize conditions that occur with sudden acute illnesses, exacerbation of chronic diseases that require urgent or emergency care, and to participate in providing emergency medical care for these conditions that require urgent medical intervention, including in emergency situations, and to participate in medical evacuation
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IIK-3	Willingness to collect and analyze patient complaints, medical history data, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease, differential diagnosis	Does not have the willingness to collect and analyze patient complaints, medical history data, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease, differential diagnosis	Partly ready to collect and analyze patient complaints, medical history data, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease, and to conduct differential diagnosis	In general, there is a good willingness to collect and analyze patient complaints, medical history data, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease, and to conduct differential diagnosis.	There is a high level of readiness to collect and analyze patient complaints, medical history data, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease, and to conduct differential diagnosis.
IIK-4	Willingness to identify the patient's main pathological conditions, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Health-Related Problems, X revision	Is ready to identify the patient's main pathological conditions, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Health-Related Problems, X revision	Is partially ready to identify the patient's main pathological conditions, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Health-Related Problems, X revision	In general, there is a good willingness to identify the patient's main pathological conditions, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Health-Related Problems, X revision	There is a high level of readiness to identify the patient's main pathological conditions, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Health-Related Problems, X revision

IIK-5	Willingness to determine age-appropriate management tactics for patients with various nosological forms (development of a treatment plan, prescribing medications and non-medications according to clinical recommendations), including palliative care	Is not Ready to determine age-appropriate management tactics for patients with various nosological forms (development of a treatment plan, prescribing medications and non-medications according to clinical recommendations), including palliative care	Partly Ready to determine age-appropriate management tactics for patients with various nosological forms (development of a treatment plan, prescribing medications and non-medications according to clinical recommendations), including palliative care	In general, there is a good willingness to determine age-appropriate management tactics for patients with various nosological forms (development of a treatment plan, prescribing medications and non-medications according to clinical recommendations), including palliative care	There is a high level of Willingness to determine age-appropriate management tactics for patients with various nosological forms (development of a treatment plan, prescribing medications and non-medications according to clinical recommendations), including palliative care
IIK-6	Ready to conduct a physiological pregnancy, delivery	Is not Ready to conduct a physiological pregnancy, delivery	Partly Ready to conduct a physiological pregnancy, delivery	In general, there is a good willingness to conduct a physiological pregnancy, delivery	There is a high level of willingness to conduct a physiological pregnancy, delivery
IIK-7	Ready to determine the need for the use of natural healing factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment	Is not ready to determine the need for the use of natural healing factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment	Partly ready to determine the need for the use of natural healing factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment	In general, there is a good willingness to determine the need for the use of natural healing factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment	There is a high level of willingness to determine the need for the use of natural healing factors, medicinal, non-medicinal therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment

IIK-8	Willingness to conduct an examination of temporary disability, participation in conducting a medical and social examination, and ascertaining the biological death of a person	He is not ready to conduct an examination of temporary disability, participation in conducting a medical and social examination, and ascertaining the biological death of a person	Is partly ready to conduct an examination of temporary disability, participation in conducting a medical and social examination, and ascertaining the biological death of a person	In general, there is a good willingness to conduct an examination of temporary disability, participation in conducting a medical and social examination, and ascertaining the biological death of a person	There is a high level of willingness to conduct an examination of temporary disability, participation in conducting a medical and social examination, and ascertaining the biological death of a person
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IIK-9	He is ready to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of diseases, including education of patients and their relatives, early diagnosis, medical examinations, identification of the causes and conditions of diseases and elimination of harmful effects on human health factors its habitat	He is not ready to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, the prevention of the occurrence and (or) spread of diseases, including the education of patients and their relatives, early diagnosis, medical examinations, identification of the causes and conditions of diseases and the elimination of harmful effects on health human environmental factors	Is partly ready to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of diseases, including education of patients and their relatives, early diagnosis, medical examinations, identification of the causes and conditions of diseases and elimination of harmful effects on health human environmental factors	In general, there is a good willingness to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, the prevention of the occurrence and (or) spread of diseases, including the education of patients and their relatives, early diagnosis, medical examinations, identification of the causes and conditions of diseases and the elimination of harmful effects on human health and environmental factors	There is a high level of readiness to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of diseases, including education for patients and their relatives, early diagnosis, medical examinations, identification of the causes and conditions of diseases and elimination of harmful effects on human health and environmental factors
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IIK-10	Willingness to maintain medical records, apply social and hygienic methods for collecting and medico-statistical analysis of information on public health indicators and assessing the quality of medical care using basic medical and statistical indicators	He is not ready to maintain medical records, apply social and hygienic methods for collecting and medical and statistical analysis of information on public health indicators and assessing the quality of medical care using basic medical and statistical indicators.	He is partly ready to maintain medical records, apply social and hygienic methods for collecting and medico-statistical analysis of information on public health indicators and assessing the quality of medical care using basic medical and statistical indicators.	In general, there is a good willingness to maintain medical records, apply social and hygienic methods for collecting and medico-statistical analysis of information on public health indicators and assessing the quality of medical care using basic medical and statistical indicators.	There is a high level of readiness to maintain medical records, apply social and hygienic methods for collecting and medico-statistical analysis of information on public health indicators and assessing the quality of medical care using basic medical and statistical indicators.
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IIK-11	Willingness to apply the basic principles of organization and management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation, management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation	Is not ready to apply the basic principles of organization and management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation, management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation	He is partly ready to apply the basic principles of organization and management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation, management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation	In general, there is a good willingness to apply the basic principles of organization and management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation, management in the field of public health, in medical organizations and their structural divisions, including the organization of medical emergency assistance, including medical evacuation	There is a high level of readiness to apply the basic principles of organization and management in the field of public health, in medical organizations and their structural divisions, including the organization of medical care in emergency situations, including medical evacuation, management in the field of public health, in medical organizations and their structural divisions, including the organization of medical emergency assistance, including medical evacuation
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IIK-12	Willingness to participate in scientific research, to analyze and publicly present medical information based on evidence-based medicine, and to introduce new methods and techniques aimed at protecting the health of citizens	He is not ready to participate in scientific research, to analyze and publicly present medical information based on evidence-based medicine, and to introduce new methods and techniques aimed at protecting the health of citizens	He is partly ready to participate in scientific research, to analyze and publicly present medical information based on evidence-based medicine, and to introduce new methods and techniques aimed at protecting the health of citizens	In general, there is a good willingness to participate in scientific research, to analyze and publicly present medical information based on evidence-based medicine, and to introduce new methods and techniques aimed at protecting the health of citizens	There is a high level of willingness to participate in scientific research, to analyze and publicly present medical information based on evidence-based medicine, and to introduce new methods and techniques aimed at protecting the health of citizens.
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## **6. УЧЕБНО-МЕТОДИЧЕСКОЕ И ИНФОРМАЦИОННОЕ ОБЕСПЕЧЕНИЕ ПОДГОТОВКИ К ГОСУДАРСТВЕННОМУ ЭКЗАМЕНУ**

### **6.1 Перечень рекомендуемой литературы:**

1. Harrison's Principles of Internal Medicine. Vol. 1 / ed. by J. L. Jameson [etc.]. - 21st ed. - New York [etc.] : McGraw Hill, 2022. - XXXVIII, [2], 1796, I-211, [1] p. - ISBN 978-1-264-26846-7 : 13727.50., 1 экз.
2. Davidson's Principles and Practice of Medicine / ed. by B. R. Walker [etc.]. - 22nd ed. - Elsevier, 2014. - XIX, [1], 1372 p. - ISBN 978-0-7020-5047-3 : 1624.04., 30 экз.
3. Essentials of Kumar & Clark's Clinical Medicine / ed. by N. Zammit, A. O'Brien. - 6th ed. - Elsevier, 2018. - XXXVII, 889, [1] p. - ISBN 978-0-7020-6603-0 : 1990.01., 5 экз.
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## **6.2 Software and Internet resources:**

1. EBS Znanium.com <http://www.znaniy.com>
2. Student's EBS Consultant <http://www.studentlibrary.ru>
3. EBS Lan <http://e.lanbook.com/>
4. EBC Urite <http://www.biblio-online.ru/> Licensed software (Microsoft Windows operating system, Microsoft Office application software package) and freely distributed software.

## **7. MATERIAL AND TECHNICAL SUPPORT OF THE STATE FINAL CERTIFICATION**

The University has a classroom fund, including specialized ones, as well as the equipment and materials necessary for conducting the state exam and facilities for individual consultations. The list of material and technical support required for the state exam includes appropriate clinical bases and a Simulation center that allow testing practical skills on thematic patients, simulator phantoms, medical equipment, instruments, decoding ECG, reading radiographs, evaluating laboratory data, writing prescriptions, etc. The university has computers with Internet access. The University is provided with the necessary set of licensed software, the composition of which is determined in the work programs of the disciplines (modules) and is subject to annual updating. Classroom facilities, furniture, as well as technical equipment and facilities for conducting the state examination are provided by the University. During the practical skills stage of the state stage, students are allowed to use materials and equipment intended for use to demonstrate their practical skills (assignment texts, educational case histories, Simulation Center equipment, educational medical instruments, etc.), as well as draft paper and writing materials. During the state exams, the student is strictly prohibited from using mobile devices (including laptops, computer tablets, mobile phones, smartphones). Rooms for students to work independently, equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment of the organization. The program is compiled in accordance with the requirements of the Federal State Educational Standard for Higher Education, taking into account the recommendations of the OPOP in the specialty 05/31/01 Medical practice

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The program was approved at the meeting of the methodological commission on 02.12. 2024, Protocol No. 10.

**Сводная ведомость**  
сформированности компетенций  
по итогам сдачи государственного итогового междисциплинарного экзамена  
по специальности 31.05.01 Лечебное дело  
«\_\_\_\_\_» \_\_\_\_\_ 20\_\_ г. № группы \_\_\_\_\_

Присутствовали: \_\_\_\_\_

Код компетенции Ф.И.О.	УК-1	УК-2	УК-3	УК-4	УК-5	УК-6	УК-7	УК-8	УК-9	УК-10	УК-11	ОПК-1	ОПК-2	ОПК-3	ОПК-4	ОПК-5	ОПК-6	ОПК-7	ОПК-8	ОПК-9	ОПК-10	ОПК-11	ПК-1	ПК-2	ПК-3	ПК-4	ПК-5	ПК-6	ПК-7	ПК-8	ПК-9	ПК-10	ПК-11	ПК-12
	УК-1	УК-2	УК-3	УК-4	УК-5	УК-6	УК-7	УК-8	УК-9	УК-10	УК-11	ОПК-1	ОПК-2	ОПК-3	ОПК-4	ОПК-5	ОПК-6	ОПК-7	ОПК-8	ОПК-9	ОПК-10	ОПК-11	ПК-1	ПК-2	ПК-3	ПК-4	ПК-5	ПК-6	ПК-7	ПК-8	ПК-9	ПК-10	ПК-11	ПК-12
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Особые мнения комиссии \_\_\_\_\_

Председатель ГЭК \_\_\_\_\_ ФИО  
(подпись)

Члены ГЭК \_\_\_\_\_ ФИО  
(подпись)

Секретарь ГЭК \_\_\_\_\_ ФИО  
(подпись)

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 Федеральное государственное автономное образовательное учреждение  
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**Ведомость государственной итоговой аттестации № \_\_\_\_\_**  
 Квалификационное испытание **Государственный экзамен**

Факультет (**институт**) Институт клинической медицины Форма обучения очная

**Специальность** \_\_\_\_\_

Курс \_\_\_\_\_ Группа \_\_\_\_\_ Семестр \_\_\_\_\_ Дата \_\_\_\_\_

Председатель государственной экзаменационной  
комиссии \_\_\_\_\_

Члены государственной экзаменационной комиссии \_\_\_\_\_

Секретарь государственной экзаменационной комиссии \_\_\_\_\_

№ п/п	Фамилия, Имя, Отчество	№ зачетной книжки	Итоговая обобщенная оценка сформированности компетенций (экзаменационная оценка)	Уровень сформированности компетенций	Подпись председателя ГЭК	Подписи членов ГЭК
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Особые мнения комиссии \_\_\_\_\_

Председатель ГЭК \_\_\_\_\_ ФИО  
 (подпись)

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 (подпись)

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 (подпись)

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 (подпись)

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The structure of the student's portfolio for the state final certification (The "\*" sign indicates the required portfolio components)

1. The title page\*.
2. A written self-analysis of the student's academic and professional experience in free form, indicating achievements in chronological order\*.
3. A list of attached copies of documents confirming the achievements of the graduate\*.
4. Copies of the credit card.
5. Summary of reports on all practices completed by the student during the period of study at UNN\* (separate summary for each practice), including the following:
  - information about the type of practice and the objectives of the practice,
  - information about when and in which organization the internship took place,
  - information about the professional experience gained during the internship,
  - information about what methods were mastered during the practice, what skills and abilities were formed. The summary is compiled for each practice separately, in the volume of no more than 2 pages of the text of the entire document (font size 12-14, single line spacing).
6. Copies of documents on the student's academic activity, including certificates, certificates of participation in training programs, master classes, trainings, advanced training courses, diplomas of additional education, etc.; diplomas, diplomas of the winner of competitions, Olympiads or certificates of the participant, etc.
7. Copies of documents on research and project activities, including copies of articles and other publications in scientific journals, collections, conference materials (or documents confirming their publication in the near future); certificates or other documents confirming participation in grants, contractual research, scientific or applied projects, and also, expert reviews of certain graduate's works, etc.
8. Copies of documents on practical professional activity in the field of training (specialty), including copies of certificates (certificates) of internships, volunteer work, copies of pages from the workbook with a record of work in the specialty in a real organization (or a certificate from the workplace), as well as characteristics from organizations and potential employers with an assessment of willingness to solve professional problems.
9. Copies of documents on additional foreign language education in excess of the requirements of the UNN Educational program in this field of study, including copies of certificates (certificates) of special courses, internships abroad, work in a foreign company.
10. Other documents characterizing the graduate's readiness for professional activity, his experience, success, abilities, creative activity, productivity, professionally significant qualities, competencies, etc. The portfolio is formed by the student himself, who bears full responsibility for its content. The scientific supervisor provides advisory assistance. The absence of a portfolio is not a reason for restrictions on passing the state final certification.