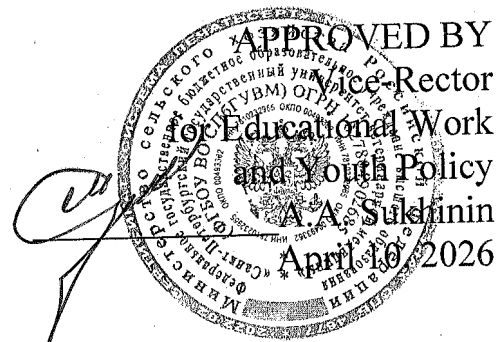


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Ministry of Agriculture of the Russian Federation
Federal State Budgetary Educational Institution of Higher Education
"Saint Petersburg State University of Veterinary Medicine"



Department of Physical Education and Fundamentals of Military Training

WORK PROGRAM

for the discipline
"LIFE SAFETY"

The level of higher education
SPECIALIST COURSE

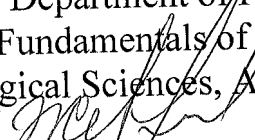
Specialty 36.05.01 Veterinary Medicine

Profile: «General clinical veterinary medicine»

Full-time education

Education starts in 2026

Reviewed and adopted
at the meeting of the department
on April 9, 2026.
Protocol No. 9

Head of the Department of Physical Education
and Fundamentals of Military Training,
Candidate of Pedagogical Sciences, Associate Professor

A.V. Zhivoderov

Saint Petersburg
2026

1. GOALS AND OBJECTIVES OF THE DISCIPLINE

Life safety (LS) is the science of comfortable and safe human interaction with the technosphere, it is a field of scientific knowledge that studies the dangers threatening humans and develops ways to protect against them in any human environment.

The main goal of the discipline "Life Safety" is to develop students' skills to create healthy and safe working conditions at work, to reduce the loss of working time caused by unsatisfactory working conditions and occupational injuries.

The main objective of the discipline is to equip students with theoretical knowledge and practical skills necessary for:

- identification of negative impacts of the habitat of natural, anthropogenic and manmade origin;
- forecasting the development of these negative impacts and assessing the consequences of their action;
- creation of a comfortable (normatively acceptable) state of the habitat in the zones of human labor and recreation;
- design and operation of machinery, technological processes and economic facilities in accordance with safety and environmental requirements;
- development and implementation of measures to protect humans and the environment from negative impacts;
- ensuring the stability of facilities and technical systems in normal and extremely dangerous situations;
- making decisions to protect production personnel and the public from the possible consequences of accidents, catastrophes, natural disasters and the use of modern weapons, as well as taking measures to eliminate their consequences.

2. LIST OF PLANNED LEARNING OUTCOMES

ACCORDING TO THE DISCIPLINE (MODULE), CORRELATED WITH THE PLANNED RESULTS OF MASTERING THE EDUCATIONAL PROGRAM

As a result of mastering the discipline, the student prepares for the following types of activities, in accordance with the educational standard of the Federal State Educational Standard for Higher Education on 36.05.01 «Veterinary Medicine».

Area of professional activity:

13 Agriculture

The student's competencies, formed as a result of mastering the discipline.

The process of studying the discipline is aimed at the formation of the following

competencies:

A) Universal competencies

The UC-8 is capable of creating and maintaining safe living conditions, including in emergency situations.:

UC-8ID-1 To know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; fundamentals of life safety, telephone numbers of rescue services.

UC-8ID-2 Should be able to identify the signs, causes and conditions of emergency situations and military conflicts; assess the likelihood of potential danger for the student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

UC-8ID-3 Possess the skills to ensure safety in the "human-animal-habitat" system. Possess methods of predicting the occurrence of dangerous or emergency situations; skills in maintaining safe living conditions, including those based on digital technologies.

B) Professional competencies

PC-18: «Is able to carry out veterinary and sanitary expertise, manage the production and certification of livestock products, beekeeping, aquatic fisheries and feed, as well as transport rules of animals and goods during export and import operations to ensure food safety, carry out a sanitary assessment of livestock facilities and structures»

PC-18ID-2 To know the government standards in the field of veterinary and sanitary expertise and control of the production of safe livestock products, keeping, aquatic fisheries and feed, as well as plant products; rules for veterinary and sanitary examination and quality control of food of animal origin; preventive measures of zoonoses; modern means and methods of disinfection, disinsection and deratization of slaughterhouses and meat processing enterprises; norms and rules for the organization and control of transportation of animals, raw materials, products of animal origin, bee products and aquatic fisheries; biology and life cycles of animals that cause zoonoses, as well as factors of its infection; basic concepts and terms in the field of controlling the quality of animal slaughter products, its chemical composition, nutritional value, quality factors.

3. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF THE MPMP

Discipline B1.O.19 "Life safety" is a discipline of Block 1 of the mandatory part of the federal state educational standard of higher education in specialty 36.05.01 «Veterinary Medicine», profile: «General clinical veterinary medicine» (specialty level).

It is mastered in the 4th semester.

When teaching the discipline "Life Safety", the knowledge and skills acquired by students during the development of disciplines such as Civil Defense and emergency response, Physical education and sports, Organization of veterinary medicine are used.

The discipline "Life Safety" is the basic one on which most of the subsequent disciplines are based, such as:

1. Veterinary Radiobiology
2. Epizootology and infectious diseases
3. Veterinary and sanitary examination

4. SCOPE OF THE DISCIPLINE "LIFE SAFETY"

4.1. Scope of the discipline "Life safety" for full-time education

Type of educational work	Total hours	Semesters
Classroom classes (total)	52	4
Including:	-	-
Lectures, including interactive forms of learning	18	18
Practical lessons (PL), including interactive forms, of which:	34	34
practical training (PT)	6	6
Independent work	56	56
Course project (work)	+	+
Type of intermediate and final certification (test, exam)	Test	Test
Total labor intensity hours/credits	108/3	108/3

5. CONTENT OF THE DISCIPLINE "LIFE SAFETY"

5.1. Content of the discipline "Life safety" for full-time education

	Name	Emerging competencies	Semesters	Types of academic work, including students' independent work and labor intensity (in hours)				
				L	PL	PT	IW	
1.	Introduction to the subject of life safety. Goals and objectives. Basic concepts	The UK-8 is capable of creating and maintaining safe living conditions, including in emergency situations.	4	2	-	-	4	
2.	State regulation of the labor process. The procedure for concluding employment contracts	UK-8ID-1 To know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; fundamentals of life safety, emergency telephone numbers. UK-8ID-2 Should be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger to the student and take measures to prevent it in an educational institution; provide first aid in emergency situations. UK-8ID-3 Possess the skills to ensure safety in the "human-animal-habitat" system. Possess methods of predicting the occurrence of dangerous or emergency situations; skills in maintaining safe living conditions, including those based on digital technologies.	4	2	-	-	3	
3.	Regulatory, legal and organizational bases of life safety.		4	2	-	-	3	
4.	The procedure for conducting and completing safety briefings		4	-	2	-	2	
5.	Accounting and investigation of industrial accidents.		4	-	1	1	2	
6.	Procedure for registration of documentation on industrial accidents		4	-	2	-	2	
7.	Fundamentals of industrial sanitation. Occupational hygiene in animal husbandry.		4	2	-	-	2	
8.	The effect of noise, ultrasound, infrasound, and vibration on the human body. Methods of protection.		4	2	-	-	2	
9.	Investigation of microclimate and illumination parameters at the workplace and in livestock facilities.		PK-18: «Is able to carry out veterinary and sanitary expertise, manage the production and certification of livestock products, beekeeping, aquatic fisheries and feed, as well as transport rules of animals and goods during export and import operations to ensure food safety, carry out a sanitary assessment of livestock facilities and structures»	4	-	1	1	3
10.	Electromagnetic, light, ionizing radiation in production, methods of protection.			4	-	2	-	3
11.	Safety precautions when working with aggressive substances (acids, alkalis) and toxic (ether, acetone) substances.		PK-18ID-2 To know the government standards in the field of veterinary and sanitary expertise and control of the production of safe livestock products, keeping, aquatic fisheries and feed, as well as plant products; rules for veterinary and sanitary examination and quality control of food of animal origin;	4	-	1	1	2
12.	Safety precautions when working with disinfectants, insecticides and deratization preparations.			4	-	2	-	2

13.	Anthropozoonoses. Occupational hygiene in the care of sick animals. Organization of their transportation.	preventive measures of zoonoses; modern means and methods of disinfection, disinsection and deratization of slaughterhouses and meat processing enterprises; norms and rules for the organization and control of transportation of animals, raw materials, products of animal origin, bee products and aquatic fisheries; biology and life cycles of animals that cause zoonoses, as well as factors of its infection; basic concepts and terms in the field of controlling the quality of animal slaughter products, its chemical composition, nutritional value, quality factors.	4	-	2	-	2
14.	Safety measures during autopsy of animal corpses, transfer of pathological material, disposal and destruction.		4	-	2	-	3
15.	Electrical safety.		4	2	-	-	2
16.	Selection and calculation of the need for personal protective equipment for veterinary specialists.		4	-	1	1	2
17.	Occupational injury analysis.		4	-	2	-	2
18.	Safety precautions when working with electrical appliances. Methods of protection		4	-	1	1	2
19.	Features of working with autoclaves, Dewar vessels and containers with liquefied gas.		4	-	2	-	2
20.	Veterinary and bacteriological supervision in animal husbandry.		4	-	2	-	2
21.	Fundamentals of fire safety.		4	2	-	-	2
22.	Technical fire extinguishing equipment. Methods of their application in the conditions of agricultural enterprises.		4	-	1	1	3
23.	First aid to victims (part 1)		4	2	-	-	2
24.	First aid to victims (part 2)		4	2	-	-	2
25.	The Colloquium		4	-	4	-	-
FOR A TOTAL OF 4 SEMESTERS			18	28	6	56	

6. THE LIST OF EDUCATIONAL AND METHODOLOGICAL SUPPORT FOR THE INDEPENDENT WORK OF STUDENTS IN THE DISCIPLINE

6.1. Guidelines for independent work.

1. Ponomarenko, N.P. Methodological guidelines for the performance of control work in the discipline "Life safety" / Ponomarenko N.P., Yugatova N.Yu., Tsyganov A.V.; SPbGAVM. - Saint Petersburg: Publishing House of SPbGAVM, 2018. - 19 p. - Text: electronic – URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9MjM3JnBzPTIw> (date of access: April 9, 2026). – Access mode: for authorization. EB SPbGUVVM users.

6.2. Literature for independent work.

1. Tsyganov, Andrey Viktorovich. Methodological guidelines for the implementation of research papers on the discipline "Life safety" / A.V. Tsyganov, N. P. Ponomarenko, K. I.

Bolshakov ; Ministry of Agriculture of the Russian Federation, SPbGUVU. - St. Petersburg : Publishing House of SPbGUVU, 2022. - 19 p. – URL: <https://search.spbguvu.informsistema.ru/viewer.jsp?aWQ9OTY0JnBzPTIw> (date of access: April 9, 2026). Access mode: for authors. EB SPbGUVU users. - Text : electronic.

7. LIST OF BASIC AND ADDITIONAL LITERATURE, NECESSARY FOR MASTERING THE DISCIPLINE

A) Basic literature:

1. Gaponova, Victoria Nikolaevna. Life safety : [educational and methodical manual]. Part 1 / V. N. Gaponova, N. P. Ponomarenko, N. Yu. Yugatova ; Ministry of Agriculture of the Russian Federation, SPbGAVM. - Saint Petersburg : SPbGAVM Publishing House, 2017. 59 p. URL: <https://search.spbguvu.informsistema.ru/viewer.jsp?aWQ9MjEyJnBzPTYw> (date of access: April 9, 2026) - Access mode: for authors. EB SPbGUVU users. - Text : electronic.

2. Gaponova, Victoria Nikolaevna. Life safety : [educational and methodical manual]. Part 2 / V. N. Gaponova, N. P. Ponomarenko, N. Yu. Yugatova ; Ministry of Agriculture of the Russian Federation, SPbGAVM. - Saint Petersburg : Publishing House of SPbGAVM, 2017. 93 p. URL: <https://search.spbguvu.informsistema.ru/viewer.jsp?aWQ9MzYwJnBzPTQ4> (date of access: April 9, 2026). - Access mode: for authors. EB SPbGUVU users. - Text : electronic.

8. LIST OF RESOURCES OF INFORMATION AND TELECOMMUNICATIONS NETWORK «INTERNET» NECESSARY FOR MASTERING THE DISCIPLINE

For preparation of practical classes and performing independent work students can use the following internet resources:

<https://meduniver.com> - Medical information site.

<https://ohranatruda.ru/> - information portal «Labor protection in Russia»

<http://obj.rf>.

Electronic library systems:

1. Electronic banking system «SPbUVM»
2. Reference and legal system «Consultant Plus»
3. University information system «RUSSIA»
4. Full text database POLPRED.COM
5. Scientific electronic library ELIBRARY.RU
6. Russian Scientific Network
7. Electronic library system IQlib
8. Full-text interdisciplinary database on agricultural and environmental sciences ProQuest AGRICULTURAL AND ENVIRONMENTAL SCIENCE DATABASE
9. Electronic books published by the Science Magazine <http://prospektnauki.ru/ebooks/>
10. The collection "Agriculture. Veterinary" of the publishing house "Quadro" <https://elibrica.com/>

9. METHODOLOGICAL GUIDELINES FOR STUDENTS ON EDUCATION OF THE DISCIPLINE

Methodological recommendations for students are a set of recommendations and explanations that allow the student to optimally organize the process of studying this discipline.

The content of methodological recommendations, as a rule, may include:

- Tips for planning and organizing the time needed to study the discipline. Description of the sequence of student actions, or “scenario for studying the discipline.”

The morning time is the most fruitful for academic work (from 8-14 o'clock), followed by the afternoon (from 16-19 o'clock) and evening time (from 20-24 o'clock). The most difficult

material is recommended to be studied at the beginning of each time interval after rest. After 1.5 hours of work, a break (10-15 minutes) is required; after 4 hours of work, the break should be 1 hour. Part of the scientific organization of labor is mastering the technique of mental work. Normally, a student should devote about 10 hours a day to studying (6 hours at the university, 4 hours at home).

- Recommendations for preparing for practical classes

Practical (seminar) classes constitute an important part of students' professional training. The main goal of conducting practical (seminar) classes is to develop analytical, creative thinking in students by acquiring practical skills. Practical classes are also conducted with the aim of deepening and consolidating the knowledge gained at lectures and in the process of independent work on regulatory documents, educational and scientific literature. When preparing for a practical lesson for students, it is necessary to study or repeat theoretical material on a given topic.

When preparing for a practical lesson, the student is recommended to adhere to the following algorithm;

- 1) get acquainted with the plan of the upcoming lesson;
- 2) study the literature sources that were recommended and familiarize yourself with the introductory comments to the relevant sections.

Methodological instructions for practical (seminar) classes in the discipline, along with the work program and schedule of the educational process, refer to methodological documents that determine the level of organization and quality of the educational process.

The content of practical (seminar) classes is recorded in the working curriculum of the disciplines in the sections "List of topics for practical (seminar) classes."

The most important component of any form of practical training is assignments. The basis of the assignment is an example, which is analyzed from the perspective of the theory developed in the lecture. As a rule, the main attention is paid to the formation of specific skills and abilities, which determines the content of students' activities - problem solving, laboratory work, clarification of the categories and concepts of science, which are a prerequisite for correct thinking and speech.

Practical (seminar) classes perform the following tasks:

- stimulate regular study of recommended literature, as well as attentive attention to the lecture course;
- consolidate the knowledge gained in the process of lecture training and independent work on literature;
- expand the scope of professionally significant knowledge, skills and abilities;
- allow you to check the correctness of previously acquired knowledge;
- instill skills of independent thinking and oral presentation;
- promote free use of terminology;
- provide the teacher with the opportunity to systematically monitor the level of students' independent work.

Methodological instructions for practical (seminar) classes in the discipline should be focused on modern business conditions, current regulatory documents, advanced technologies, on the latest achievements of science, technology and practice, on modern ideas about certain phenomena and the reality being studied.

- Recommendations for working with literature.

Working with literature is an important stage of a student's independent work in mastering a subject, contributing not only to consolidation of knowledge, but also to broadening his horizons, mental abilities, memory, ability to think, present and confirm his hypotheses and ideas. In addition, research skills necessary for future professional activities are developed.

When starting to study literature on a topic, it is necessary to make notes, extracts, and notes. It is imperative to take notes on the works of theorists, which allow one to comprehend the theoretical basis of the study. For the rest, you can limit yourself to extracts from studied sources. All extracts and quotations must have an exact "return address" (author, title of work, year of publication, page, etc.). It is advisable to write an abbreviated name of the question to which the extract or quotation relates. In addition, it is necessary to learn how to immediately compile a card index of specialized literature and publications of sources, both proposed by the teacher and identified independently, as well as refer to bibliographic reference books, chronicles of journal articles, book chronicles, and abstract journals. In this case, publications of sources (articles, book titles, etc.) should be written on separate cards, which must be filled out in accordance with the rules of bibliographic description (surname, initials of the author, title of work. Place of publication, publisher, year of publication, number of pages, and for journals articles – journal name, year of publication, page numbers). On each card, it is advisable to record the thought of the author of the book or a fact from this book on only one specific issue. If the work, even in the same paragraph or phrase, contains further judgments or facts on another issue, then they should be written out on a separate card. The presentation should be concise, accurate, without subjective assessments. On the back of the card you can make your own notes about this book or article, its contents, structure, what sources it was written on, etc.

- Explanations about working with test materials for the course, recommendations for completing homework.

Testing allows you to determine whether the actual behavior of a program corresponds to the expected behavior by performing a specially selected set of tests. A test is the fulfillment of certain conditions and actions necessary to verify the operation of the function being tested or its part. Students are required to select the correct option for each question in the discipline.

10. EDUCATIONAL WORK

Within the framework of the discipline, educational work aims to cultivate a modern scientific worldview and fundamental values, foster spiritual, moral, civil, and patriotic virtues, nurture aesthetic and ethical understanding, promote a tolerant mindset in society, and instill in students the recognition of work as a fundamental necessity, the highest value, and the primary path to success in life. Additionally, it seeks to underscore the social significance of students' future professions.

11. THE LIST OF INFORMATION TECHNOLOGIES USED IN THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS

11.1. The use of information technologies is provided in the educational process of the discipline:

conducting practical classes using multimedia; interactive technologies (conducting dialogues, collective discussion of various approaches to solving a particular educational and professional task)

11.2. Software List of licensed and freely distributed software, including domestic production

N	The name of the technical and computer training tools recommended by sections and topics of the program	License

1	MS Power Point	67580828
2	Libre Office	Free
3	OS Alt Education 8	Free
4	AIBS "MARK-SQL"	02102014155
5	MS Windows 10	67580828
6	Consultant Plus system	503/KL
7	Android OC	Free

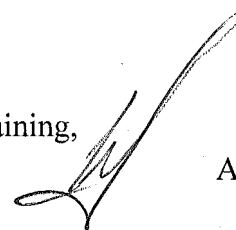
12. THE MATERIAL AND TECHNICAL BASE NECESSARY FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE

Name of the discipline (module), practice in accordance with the curriculum	Name of special rooms and facilities for independent work	Provision of special rooms and facilities for independent work
Life safety	015 (196084, St. Petersburg, Moskovsky Prospekt, 99) Classroom for seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification.	Specialized furniture: desks, chairs, stools, blackboard. Technical training facilities: multimedia projector, screen, computer. Visual aids and educational materials: specialized stands for the discipline program, devices.
	011 (196084, Saint Petersburg, Moskovsky Prospekt, 99) Classroom for seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification	Specialized furniture: tables, chairs, blackboard, visual aids Technical training facilities: a projector, a screen, a computer with an Internet connection and access to an electronic information and educational environment
	016 (196084, St. Petersburg, Moskovsky Prospekt, 99). A classroom for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification.	Specialized furniture: desks, chairs, stools, blackboard. Technical training facilities: computer, TV. Visual aids and educational materials: specialized stands for the discipline program, instruments.
	017 (196084, St. Petersburg, Moskovsky Prospekt, 99). A classroom for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification.	Specialized furniture: desks, chairs, stools, blackboard. Technical training facilities: multimedia projector, screen, computer. Visual aids and educational materials: specialized stands for the discipline program, devices.
	206 Large reading room (196084, St. Petersburg, st. Chernigov, house 5) Room for independent work	Specialized furniture: tables, chairs Technical training facilities: computers with an Internet connection and access to an electronic information and educational environment.

		educational environment.
	214 Small reading room (196084, St. Petersburg, st. Chernigov, house 5) A room for independent work.	Specialized furniture: tables, chairs Technical training facilities: computers with an Internet connection and access to an electronic information and educational environment
	324 Information Technology Department (5 Chernihiv St. Petersburg, 196084) A room for storage and preventive maintenance of educational equipment.	Specialized furniture: tables, chairs, special equipment, materials and spare parts for preventive maintenance of technical training facilities.
	Box No. 3 Carpentry workshop (196084, St. Petersburg, st. Chernigov, house 5) A room for storage and preventive maintenance of educational equipment.	Specialized furniture: tables, chairs, special equipment, materials for preventive maintenance of furniture.

Developer:

Associate Professor of the Department
of Physical Education and Fundamentals of Military Training,
Candidate of Pedagogical Sciences, Associate Professor



A.V. Tsyganov

Ministry of Agriculture of the Russian Federation
Federal State Budgetary Educational Institution
of higher education
"St. Petersburg State University of Veterinary Medicine"

Department of Physical Education and Fundamentals of Military Training

FUND OF ASSESMENT TOOLS
for the discipline

" LIFE SAFETY "

Level of higher education

SPECIALIST COURSE

Specialty 36.05.01 Veterinary Medicine

Profile: «General clinical veterinary medicine»

Full-time education

Education starts in 2026

Saint Petersburg
2026

1. PASSPORT OF THE ASSESSMENT FUND

Table 1

№	Emerging competencies	Supervised sections (topics) of the discipline	Evaluation tool
1.	UK-8 «Is capable of creating and maintaining safe living conditions, including in emergency situations».	Section 1. Legal and organizational foundations of life safety	Colloquium, abstract, tests
2.	UK-8ID-1 To know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts;	Section 2. State regulation and management of labor protection	Colloquium, abstract, tests
3.	fundamentals of life safety, emergency telephone numbers. UK-8ID-2 Should be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger to the student and take measures to prevent it in an educational institution; provide first aid in emergency situations.	Section 3. Industrial safety in the agro-industrial complex and animal husbandry.	Colloquium, abstract, tests
4.	UK-8ID-3 Possess the skills to ensure safety in the "human-animal-habitat" system. Possess methods of predicting the occurrence of dangerous or emergency situations; skills in maintaining safe living conditions, including those based on digital technologies.	Section 4. Fundamentals of industrial sanitation. Occupational hygiene in animal husbandry.	Colloquium, abstract, tests
5.	PK-18: «Is capable to carry out veterinary and sanitary expertise, manage the production and certification of livestock products, beekeeping, aquatic fisheries and feed, as well as transport rules of animals and goods during export and import operations to ensure food safety, carry out a sanitary assessment of livestock facilities and structures»	Section 5. Emergency situations, prevention and elimination of their consequences.	Colloquium, abstract, tests
6.	PK-18ID-2 To know the government standards in the field of veterinary and sanitary expertise and control of the production of safe livestock products, keeping, aquatic fisheries and feed, as well as plant products; rules for veterinary and sanitary examination and quality control of food of animal origin; preventive measures of zoonoses; modern means and methods of disinfection, disinsection and deratization of slaughterhouses and meat processing enterprises; norms and rules for the organization and control of transportation of animals, raw materials, products of animal origin, bee products and aquatic fisheries; biology and life cycles of	Section 6. Basic methods and procedures for providing first aid to victims.	Colloquium, abstract, tests

	animals that cause zoonoses, as well as factors of its infection; basic concepts and terms in the field of controlling the quality of animal slaughter products, its chemical composition, nutritional value, quality factors.		
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2. AN APPROXIMATE LIST OF EVALUATION TOOLS

Table 2

Nº	Name of the evaluation tool	Brief description of the evaluation tool	Brief description of the evaluation tool
1.	The Colloquium	A means of monitoring the assimilation of educational material of a topic, section, or sections of a discipline, organized as an educational lesson in the form of an interview between a teacher and students.	Questions about the topics/sections of the discipline
2.	Report	A means of testing the ability to apply the acquired knowledge to solve problems of a certain type on a topic or section	Discipline topics
3.	Test	A system of standardized tasks that allows you to automate the procedure for measuring the level of knowledge and skills of a student	The Test Task Fund

3. INDICATORS AND CRITERIA FOR ASSESSING COMPETENCIES AT VARIOUS STAGES OF THEIR FORMATION, DESCRIPTION OF ASSESSMENT SCALES

Table 3

Planned results of competence development	The level of development				Evaluation tool
	Unsatisfactory	satisfactory	good	excellent	
UC-8: «Is capable of creating and maintaining safe living conditions, including in emergency situations»					
UC-8ID-1 To know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; fundamentals of life safety, emergency telephone numbers.	The level of knowledge is below the minimum requirements, there have been gross errors	The minimum acceptable level of knowledge, many blunders have been made	The level of knowledge in the volume corresponding to the training program, several minor mistakes were made	The level of knowledge in the volume corresponding to the training program, without errors.	Colloquium, abstract, tests
UC-8ID-2 Should be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger to the student and take measures to prevent it in an educational institution; provide first aid in emergency situations.	When solving standard tasks , basic skills were not demonstrated, and gross errors occurred.	Basic skills have been demonstrated , typical tasks with minor errors have been solved , and all tasks have been completed, but not in full.	All basic skills have been demonstrated, all basic tasks have been solved with minor errors, all tasks have been completed in full, but some with shortcomings.	All basic skills have been demonstrated, all basic tasks have been solved with some minor shortcomings, and all tasks have been completed in full.	Colloquium, abstract, tests
UC-8ID-3 Possess the skills to ensure safety in the "human-animal-habitat" system. Possess methods of predicting the occurrence of	When solving standard tasks , basic skills were	There is a minimal set of skills for solving standard tasks with	Basic skills are demonstrated in solving standard	Demonstrated skills in solving non -standard tasks without errors	Colloquium, abstract, tests

dangerous or emergency situations; skills in maintaining safe living conditions, including those based on digital technologies.	not demonstrated, and gross errors occurred.	some shortcomings.	tasks with some shortcomings.	and shortcomings	
PC-18: «Is capable to carry out veterinary and sanitary expertise, manage the production and certification of livestock products, beekeeping, aquatic fisheries and feed, as well as transport rules of animals and goods during export and import operations to ensure food safety, carry out a sanitary assessment of livestock facilities and structures»					
PC-18ID-2 To know the government standards in the field of veterinary and sanitary expertise and control of the production of safe livestock products, keeping, aquatic fisheries and feed, as well as plant products; rules for veterinary and sanitary examination and quality control of food of animal origin; preventive measures of zoonoses; modern means and methods of disinfection, disinsection and deratization of slaughterhouses and meat processing enterprises; norms and rules for the organization and control of transportation of animals, raw materials, products of animal origin, bee products and aquatic fisheries; biology and life cycles of animals that cause zoonoses, as well as factors of its infection; basic concepts and terms in the field of controlling the quality of animal slaughter products, its chemical composition, nutritional value, quality factors.	The level of knowledge is below the minimum requirements, there have been gross errors	The minimum acceptable level of knowledge, many blunders have been made	The level of knowledge in the volume corresponding to the training program, several minor mistakes were made	The level of knowledge in the volume corresponding to the training program, without errors.	Colloquium, abstract, tests

4. A LIST OF CONTROL TASKS AND OTHER MATERIALS NECESSARY FOR THE ASSESSMENT OF KNOWLEDGE, SKILLS, AND WORK EXPERIENCE

4.1. Standard tasks for current academic performance monitoring

4.1.1. Questions for the Colloquium

Competence assessment questions

UC-8 is capable of creating and maintaining safe living conditions, including in emergency situations:

UC-8ID-1 To know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; fundamentals of life safety, emergency telephone numbers.

1. The principles of the state policy in the field of labor protection are valid in the Russian Federation.
2. Regulatory by-laws of the region in the field of labor protection.
3. List the local legal acts used in the company.
4. Duties of an employee in the field of labor protection.
5. Organization of labor protection for persons under 18 years of age at the enterprise.
6. The procedure for conducting mandatory preliminary and periodic medical examinations.
7. Tasks and functions of the occupational health and safety management system.
8. The procedure for establishing an occupational safety service in an organization.
9. Types of responsibility of officials for causing harm to the health of an employee.
10. The procedure for conducting state certification of workplaces according to working conditions.
11. Implementation of state supervision and control in the field of labor protection.
12. The procedure for bringing an employee to disciplinary responsibility for violations.
13. Administrative liability of officials and legal entities for violations of labor protection.
14. The procedure for organizing safety training for employees. Types of labor protection briefings.
15. Organization and procedure of introductory labor protection training.

UC-8ID-2 Should be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger to

the student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

16. Conducting initial and repeated briefings with employees on labor protection.

17. The procedure and timing of the inspection of employees who are subject to increased occupational safety requirements.

18. The procedure for issuing targeted occupational safety instructions when applying for work permits

19. Keeping records of unscheduled employee safety briefings at the enterprise.

20. Obligations of the employer to provide employees with personal protective equipment.

21. Actions of the employer in case of an industrial accident.

22. Terms and procedure for investigating industrial accidents.

23. The procedure for determining the severity of an industrial accident.

24. The work of the organization's commission for the investigation of a minor industrial accident.

25. The work of the organization's commission for the investigation of a serious (group) industrial accident.

26. The procedure for processing documents on industrial accidents and their accounting at the enterprise.

27. Requirements of the Labor Code of the Russian Federation for the conclusion of an employment contract.

28. The procedure for concluding an employment contract.

29. The procedure and which categories of employees are placed on probation when applying for a job.

30. Registration of workbooks for an employee, keeping records in workbooks.

UC-8ID-3 Possess the skills to ensure safety in the "human-animal-habitat" system. Possess methods of predicting the occurrence of dangerous or emergency situations; skills in maintaining safe living conditions, including those based on digital technologies.

31. Basic emergency rescue operations in case of a particularly dangerous disease.

32. Actions of an employee in case of sudden aggression from animals.

33. Basic safety requirements when working with sick animals.

34. The main ways of infection of animals with anthrax.

35. Methods of fixation of cattle.

36. Safety precautions when servicing horses.

37. Give a description of the vehicles for transporting animals.

38. Give a description of the vehicles for transporting animals.

39. Features of the transfer of pathological material.
40. The procedure for the disposal of biological waste.
41. Microclimate parameters in animal rooms.
42. Natural and artificial lighting. Artificial light levels in the workplace.
43. Terms of the next knowledge check of the electrotechnical personnel servicing the existing electrical installations.
44. The procedure for testing knowledge and admission to independent work of electrical engineering personnel.
45. Deadlines for re-checking the knowledge of electrical engineering personnel who received an unsatisfactory assessment.

PC-18: «Is capable to carry out veterinary and sanitary expertise, manage the production and certification of livestock products, beekeeping, aquatic fisheries and feed, as well as transport rules of animals and goods during export and import operations to ensure food safety, carry out a sanitary assessment of livestock facilities and structures»

PC-18ID-2 To know the government standards in the field of veterinary and sanitary expertise and control of the production of safe livestock products, keeping, aquatic fisheries and feed, as well as plant products; rules for veterinary and sanitary examination and quality control of food of animal origin; preventive measures of zoonoses; modern means and methods of disinfection, disinsection and deratization of slaughterhouses and meat processing enterprises; norms and rules for the organization and control of transportation of animals, raw materials, products of animal origin, bee products and aquatic fisheries; biology and life cycles of animals that cause zoonoses, as well as factors of its infection; basic concepts and terms in the field of controlling the quality of animal slaughter products, its chemical composition, nutritional value, quality factors.

46. Safety precautions when handling chemicals.
47. Personal protective equipment when working with pesticides.
48. Flame extinguishing agents in case of ignition of flammable liquids.
49. Classification of emergency situations.
50. To characterize the essence of emergency prevention and elimination of consequences of emergency situations.
51. Basic measures to protect the population in case of natural and man-made emergencies.
52. Characteristics of individual protective equipment for workers in emergency situations.
53. Safety requirements when working with pressure vessels.
54. Occupational safety requirements for the preparation of acid and alkali solutions.
55. Protection of workers from noise and vibration.

56. Characteristics of the main regulatory legal acts regulating the provision of first aid to victims.
57. Priority measures to provide first aid to victims.
58. The sequence of artificial lung ventilation.
59. Rules of external heart massage.
60. First aid for bleeding and wounds.
61. The procedure for first aid in case of frostbite and drowning.
62. First aid in case of poisoning.

4.1.2. Abstract topics

Topics of abstracts for competence assessment

UC-8 is able to create and maintain safe living conditions, including in emergency situations:

UC-8ID-1 To know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; fundamentals of life safety, emergency telephone numbers.

UC-8ID-2 Should be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger to the student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

UC-8ID-3 Possess the skills to ensure safety in the "human-animal-habitat" system. Possess methods of predicting the occurrence of dangerous or emergency situations; skills in maintaining safe living conditions, including those based on digital technologies.

PC-18: «Is capable to carry out veterinary and sanitary expertise, manage the production and certification of livestock products, beekeeping, aquatic fisheries and feed, as well as transport rules of animals and goods during export and import operations to ensure food safety, carry out a sanitary assessment of livestock facilities and structures»

PC-18ID-2 To know the government standards in the field of veterinary and sanitary expertise and control of the production of safe livestock products, keeping, aquatic fisheries and feed, as well as plant products; rules for veterinary and sanitary examination and quality control of food of animal origin; preventive measures of zoonoses; modern means and methods of disinfection, disinsection and deratization of slaughterhouses and meat processing enterprises; norms and rules for the organization and control of transportation of animals, raw materials, products of animal origin, bee products and aquatic fisheries; biology and life cycles of animals that cause zoonoses, as well as factors of its infection; basic concepts and terms in the field of controlling the quality of animal slaughter products, its chemical composition, nutritional value, quality factors.

1. Definition of the purpose and objectives of the discipline "Life safety". Its role and place in the system of veterinary sciences.
2. Regulatory and organizational foundations of security.
3. Basic concepts, terms, definitions. Ways to create safe working conditions.
4. Classification of production factors. Features of working conditions in the maintenance of farm animals.
5. Sources of injury and causes of occupational diseases. Injury rates.
6. Labor protection for women and youth.
7. State supervision and public control over the state of labor protection conditions.
8. Responsibility of officials for violation of laws, standards, rules and instructions on labor protection.
9. Compensation for damage to victims of accidents and occupational diseases.
10. Training, briefings and certification on occupational safety and health and persons associated with increased risk.
11. Organization of work on occupational safety at enterprises processing livestock products and in laboratories of veterinary and sanitary expertise.
12. Accounting and investigation of industrial accidents.
13. State certification of workplaces according to working conditions. Certification of sanitary and hygienic working conditions.
14. Organization of work of the labor protection service at an agricultural enterprise.
15. Organization and procedure for providing workers with work clothes, equipment and personal protective equipment.
16. Characteristics of the main parameters of the microclimate at enterprises processing livestock products. The effect of the microclimate on the human body.
17. Prevention of occupational diseases. The procedure for investigating occupational diseases of employees.
18. Harmful substances in the work area and protection from them. The effect of toxic and aggressive substances on the human body. Rules for working with acids and alkalis.
19. Anthroozoonoses and their prevention. Occupational hygiene during the examination of carcasses of sick animals.
20. Disinfection, disinfection, deratization and personal preventive measures. Veterinary and sanitary supervision at processing plants.
21. Industrial noise, ultrasound and vibration in industrial premises, their effect on the human body and animals. Personal protective equipment.
22. Types of radiation used in animal husbandry. The effect of ultraviolet, infrared, electromagnetic and ionizing radiation on the human body. Organization of protection from harmful radiation.
23. Lighting of industrial premises and its normalization. The effect of lighting on the working capacity and health of humans and animals.

24. Sanitary and hygienic requirements for lighting industrial premises. Rationing of workplace lighting.

25. Characteristics of artificial lighting sources. Methods and means of assessing illumination.

26. Requirements for the production area, buildings and household premises of agricultural enterprises. Selection of sites for industrial buildings and complexes. Sanitary protection zones.

27. Characteristics of hazardous production factors in agricultural enterprises. Safety requirements for machines, mechanisms, production equipment, and technological processes.

28. Electrical safety in animal husbandry. The effect of electric current on the human and animal body, factors affecting the danger and outcome of injury.

29. Organizational and technical measures and means of protection against electric shock, grounding and protective grounding.

30. Occupational safety in the processing of livestock products. Occupational injury analysis.

31. Characteristics of hazardous factors in the performance of basic work at processing plants.

32. Safety measures during veterinary and sanitary examination of carcasses, as well as with animal corpses during their autopsy, collection and transfer of pathological material, disposal and destruction.

33. Safety measures during operation of hot water and steam boilers, cylinders and pressure vessels, autoclaves.

34. Basic requirements for fire protection at agricultural facilities. The procedure for conducting fire safety briefings for employees.

35. Primary fire extinguishing equipment, fire fighting equipment. The procedure for providing livestock farms with fire extinguishing equipment.

36. The sequence of first aid to victims.

37. The procedure and methodology of cardiopulmonary resuscitation.

38. First aid for bleeding.

39. First aid for fractures of bones and joints. 40. First aid for burns and frostbite.

41. First aid to victims of electric shock.

4.1.3. Tests

UC-8 is able to create and maintain safe living conditions, including in emergency situations:

UC-8ID-1 To know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; fundamentals of life safety, emergency telephone numbers.

1. What kind of occupational safety briefings are conducted with employees of enterprises?

1. introductory, primary at the workplace, unplanned, targeted.
2. introductory, primary in the workplace, repeated, unplanned, targeted.
3. introductory, primary in the workplace, repeated, targeted.

2. Who conducts the introductory instruction on labor protection?

1. an official of the structural unit where the incoming employee will work in the future.

2. Occupational safety engineer.

3. the authorized person for labor protection of the trade union organization of the enterprise.

3. How many times is repeated instruction on occupational safety conducted for most professions?

1. Once every 6 months.

2. 1 time in 3 months.

3. 1 time in 12 months.

4. How many times do employees who are subject to increased safety requirements undergo a knowledge check?

1. 1 time per year.

2. Once every 3 years.

3. Once every 6 months.

5. How long do they extend the certificates in case of a negative result of the occupational safety knowledge test for persons serving high-risk facilities?

1. for 2 weeks.

2. for 1 month.

3. for 3 months.

6. When is the introductory instruction on labor protection conducted?

1. before the conclusion of an employment contract.

2. after the conclusion of the employment contract.

3. after the issuance of the employment order.

7. Where is the target occupational safety instruction recorded when applying for a work permit?

1. in the same work permit.

2. in the journal of labor protection briefings.

3. in the industrial accident log.

8. What reason is indicated when registering an unscheduled OT briefing?

1. do not indicate the reason for its holding.

2. indicate the reason for its holding.
3. It is not necessary to specify the reason for its holding.

9. Which accidents involving persons are subject to investigation?

1. being in a civil law relationship with the employer (for example, he was engaged to perform a certain job with a one-time payment).
2. being in an employment relationship with the employer.
3. regardless of the legal relationship with the employer.

10. In what case is the employer obliged to send an urgent notification to the supervisory and control authorities within 24 hours?

1. a minor, serious or fatal accident.
2. Serious accident or fatal accident.
3. in case of a group, serious or fatal accident.

11. Who determines the severity of an industrial accident?

1. The employer.
2. an official of the structural unit in which the accident occurred.
3. the medical institution where the victim was taken.

12. At what time is the employer obliged to investigate a minor industrial accident?

1. days.
2. 3 days.
3. 15 days.

13. How does the Labor Code of the Russian Federation classify accidents?

1. An industrial accident and an accident unrelated to production.
2. Industrial accident, non-industrial accident, and domestic accident.
3. An accident at work and an accident unrelated to work.

14. At what time is the employer obliged to investigate a serious accident and a fatal accident?

1. days.
2. 3 days.
3. 15 days.

15. In what time frame is an act of the form "H-1" drawn up in case of an accident qualified as "unrelated to production"?

1. it is mandatory.
2. It is not being compiled.
3. It is drawn up at the discretion of the commission of inquiry.

UC-8ID-2 Should be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger to the student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

16. How does the state of alcohol or drug intoxication of the victim affect the qualification of an accident?

1. does not affect.
2. It must have an effect.
3. Affects the discretion of the commission of inquiry.

17. How long are the occupational accident certificates kept by the employer?

1. 10 years.
2. 25 years old.
3. 45 years old.

18. Can refusal to perform work not provided for in an employment contract be grounds for disciplinary action?

1. Is it grounds for disciplinary action.
2. It is not a ground for imposing disciplinary action.

19. In what case is an employee not provided with personal protective equipment in accordance with applicable regulations:

1. has the right to refuse to perform work.
2. does not have the right to refuse.

20. How long does an employee have the right to go to court to defend their rights in disputes about dismissal?

1. months from the date of handing him a copy of the order (or issuing a work record).
2. 3 months from the date of handing him a copy of the order.
3. 1 year from the date of handing him a copy of the order.

21. What regulates the parameters of the microclimate in animal rooms?

1. SanPiN 2.2.4.548-96
2. standards of technological design for individual animal species.

22. What regulates the parameters of the microclimate in feed shops, boiler rooms, administrative, etc. auxiliary rooms?

1. SanPiN 2.2.4.548-96.
2. standards of technological design for certain types of animals.

23. According to what parameters is the microclimate regulated in the norms of technological design?

1. air temperature, relative humidity, air velocity and intensity of infrared radiation.

2. Air temperature, relative humidity, air velocity, infrared radiation intensity and temperature of the enclosing surfaces.

3. Air temperature, relative humidity and air velocity.

24. What parameters are measured when assessing according to SanPiN 2.2.4.548-96 at the level of 0.1 and 1 meter from the floor (sitting working position) and 1.5 meters (standing working position)?

1. Relative humidity and air temperature.

2. Air temperature and intensity of infrared radiation.

3. Temperature and air velocity.

25. What level of artificial illumination in the workplace is normalized in SNiP 23-05-95 "Natural and artificial lighting"?

1. minimum.

2. Average.

3. Maximum.

26. Which lighting system is the most rational from a physiological and hygienic point of view?:

1. General.

2. Local.

3. Combined.

27. Which units have standards for natural light?

1. In suites.

2. in Kendall.

3. in KEO.

28. What are the deadlines for the next knowledge check of electrical engineering personnel servicing existing electrical installations?:

1. Once a year.

2. Once every 2 years.

3. Once every 3 years.

29. Who is responsible for organizing knowledge testing and admission to independent work of electrical engineering personnel:

1. Chief engineer.

2. The head of the organization.

3. responsible for the electrical management of the enterprise.

30. What are the deadlines for re-checking the knowledge of electrical engineering personnel who received an unsatisfactory assessment?:

1. no earlier than 2 weeks and no later than 1 month from the date of the last inspection.
2. no later than 1 month from the date of the last inspection.
3. not earlier than 1 month and not later than 2 months.

UK-8ID-3 Possess the skills to ensure safety in the "human-animal-habitat" system. Possess methods of predicting the occurrence of dangerous or emergency situations; skills in maintaining safe living conditions, including those based on digital technologies.

31. At what jobs is it necessary to provide two sets of personal protective equipment?

1. when servicing machines and mechanisms.
2. when serving animals.
3. when working with pesticides.

32. What is the purpose of special occupational safety training for employees with the issuance of an appropriate certificate?

1. Milking machines.
2. Pressure vessels.
3. No problems.

33. In what case can the remains of the pickled grain be used for food purposes?

1. after heat treatment.
2. After rinsing in running water.
3. Absolutely not.

34. What is necessary to extinguish the flame in case of ignition of flammable liquids stored in containers?

1. with water.
2. sand.
3. foam.

35. What is the frequency with which air is blown into the lungs during ventilation?

1. 20-25 times per minute.
2. 12-15 times per minute.
3. 8-10 times per minute.

36. Where is it allowed to eat and rest for a short time during the harvesting period in the field?

1. in any free place of the field.
2. only at the edge of the field.
3. Only in a designated place.

37. How many people can be transported in the tractor cabin?

1. It is strictly forbidden to transport people.
2. no more than 2 people.
3. The number of people is determined by the number of seats in the cabin.

38. What is the relationship between wavelength and oscillation frequency?

1. Direct.
2. The reverse.

39. Which sounds are more irritating to the organ of hearing?

1. Low-frequency.
2. Medium frequency.
3. High-frequency.

40. What is the most rational way to deal with noise?

1. Reducing noise in the source itself.
2. reduction of working hours (time protection).
3. Use of personal protective equipment for hearing organs.

41. For which noise are sound pressure levels in octave bands normalized?

1. Permanent.
2. Intermittent.
3. Pulsed.

42. Where should the microphone be pointed when measuring noise?

1. Up.
2. Down.
3. Towards the noise source.

43. How many times does a change in volume correspond to a 10 dB change in sound pressure?

1. 1.4 times.
2. 2 times.
3. 4 times.

44. Why are breeding Bulls secured on a leash with a walking stick?

1. For a collar ring.
2. For the nose ring.
3. For the collar.

45. Do veterinarians need to change their lab coats during the next painful treatments of breeding bulls?

1. It is necessary to change the color of the lab coat.
2. The color of the robe does not matter.

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PC-18ID-2 To know the government standards in the field of veterinary and sanitary expertise and control of the production of safe livestock products, keeping, aquatic fisheries and feed, as well as plant products; rules for veterinary and sanitary examination and quality control of food of animal origin; preventive measures of zoonoses; modern means and methods of disinfection, disinsection and deratization of slaughterhouses and meat processing enterprises; norms and rules for the organization and control of transportation of animals, raw materials, products of animal origin, bee products and aquatic fisheries; biology and life cycles of animals that cause zoonoses, as well as factors of its infection; basic concepts and terms in the field of controlling the quality of animal slaughter products, its chemical composition, nutritional value, quality factors.

46. Who is responsible for occupational safety when working with pesticides?

1. The chief agronomist.
2. to become an occupational safety engineer.
3. the head of the household.

47. Is it allowed to transport passengers in the back of tractor trailers?

1. Not allowed.
2. it is allowed at a speed of no more than 5 km / h .
3. Yes, if the tractor is operated by a tractor driver of the 1st or 2nd class.

48. Is it currently allowed to hire women as tractor drivers?

1. Is it allowed.
2. It is allowed after 40 years.
3. Not allowed.

49. What should be the doors to the autoclave?

1. Open inside.
2. Be sliding.
3. Open to the outside.

50. How long does it take to retake the occupational safety exam for work in the autoclave?

1. 12 months.
2. 3 years old.
3. 5 years old.

51. What is the limitation period for appealing to a court regarding the wording of an employee's dismissal at the initiative of the employer?

1. no more than a year.
2. no more than 3 years.
3. no more than 3 months.

52. In what quantity is it necessary to ensure the supply of supplied air in the chemical laboratory?

1. less than the volume of the removed air.
2. More volume of exhaust air.
3. equal to the volume of the exhaust air.

53. What sequence should be followed when preparing acid solutions?

1. Pour water into the acid.
2. The sequence of components does not matter.
3. Pour acid into the water.

54. Who is primarily responsible for allowing persons under the age of 18 to work in harmful and dangerous working conditions?

1. Heads of structural divisions.
2. Occupational safety engineer.
3. Public labor inspector.

55. What is the name of the vibration transmitted to the upper extremities?

1. General vibration.
2. Mixed vibration.
3. Local vibration.

56. How long can a tourniquet be applied to stop arterial bleeding?

1. before the arrival of medical personnel.
2. no more than 2 hours, regardless of the season.
3. in the warm season, up to 2 hours, in the cold - up to one hour.

57. What is used to stop external venous bleeding?

1. tourniquet or twist.
2. Pressure bandage.
3. Fixing bandage.

58. What is the most effective method of mechanical ventilation?

1. The Sylvester method.
2. The mouth-to-mouth method.
3. The Howard method.

59. What kind of occupational safety instruction is provided when working with pesticides?

1. Repeat.
2. Target.
3. Unscheduled.

60. At what oxygen content in the atmospheric air are insulating gas masks and respirators used?

1. less than 18%.
2. less than 19%.
3. less than 20%

4.2. Standard tasks for intermediate certification

4.2.1. List of questions for the test

UC-8 is able to create and maintain safe living conditions, including in emergency situations:

UC-8ID-1 To know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; fundamentals of life safety, emergency telephone numbers.

1. Definition of the discipline "Life safety". The purpose and objectives of the discipline. Its role in the system of veterinary sciences. Connection with other sciences.

2. The procedure for investigating industrial accidents. Forms of documents.

3. Harmful and dangerous factors at work in manufacturing enterprises. Classification of working conditions.

4. First aid for open bone fractures and open joint injuries.

5. Structure of regulatory legal acts in the field of occupational safety.

6. The procedure for investigating industrial accidents.

7. Microclimate of industrial premises. Requirements for the organization of control and measurement methods.

8. Occupational diseases accounting system. The procedure for filling out and transmitting the notification.

9. Provision of workers with overalls and equipment, means of individual and collective protection.

10. The procedure for organizing occupational safety training for managers and specialists. Requirements and procedure for developing instructions.

11. Women's labor protection.

UC-8ID-2 Should be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger to the student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

12. Safety measures when working with electrical appliances. Means and methods of protection.

13. The effect of vibration on the human body. Vibration sickness. Therapeutic and preventive measures.

14. Basic methods of occupational injury analysis. Payment of sick leave.

15. Fires and their causes. General requirements for fire safety.

16. Methods of stopping bleeding. The basic rules of applying bandages.

17. The effects of electromagnetic radiation on humans. Ways to protect workers from electromagnetic fields.

18. Harmful substances in the work area and protection from them.

19. The procedure for organizing training and testing knowledge on labor protection for workers in working professions. Types of briefings.

20. Fire extinguishing equipment. Fire safety of agricultural facilities and livestock complexes.

21. Wounds. Classification. First aid for injuries.

22. The provisions of the Constitution of the Russian Federation guaranteeing the rights of citizens in the field of labor relations.

UC-8ID-3 Possess the skills to ensure safety in the "human-animal-habitat" system. Possess methods of predicting the occurrence of dangerous or emergency situations; skills in maintaining safe living conditions, including those based on digital technologies.

23. The procedure for concluding an employment contract.

24. Safety requirements when working with acids, alkalis and other aggressive media.

25. Compensation for damage to victims of accidents and occupational diseases. 26. Employment record. The order of filling in and maintaining.

27. First aid in case of poisoning.

28. State supervision of compliance with labor protection conditions in animal husbandry.

29. Emergency rescue operations in case of particularly dangerous animal diseases. Occupational hygiene when working with sick animals.

30. Procedures and methods of biological waste disposal.

31. First aid in case of drowning.
32. Responsibility of officials for violation of laws, standards, norms, rules and instructions on labor protection.
33. Operation features and safety precautions during operation of Dewar vessels.

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34. The effect of lighting on human health and performance. Sanitary and hygienic requirements for lighting industrial premises.
35. Safety requirements for the storage of pesticides and agrochemicals.
36. First aid in case of shock.
37. First aid in case of heat stroke.
38. Safety precautions when working with deratization drugs.
39. Frostbite, classification, first aid.
40. Requirements for the premises of the bacteriological laboratory. Microbiological safety boxes.
41. The concept and meaning of labor discipline. Methods of its provision.
42. The concept and types of rest time.
43. First aid. Signs of a person's life or death.
44. Features of working with autoclaves. Safety requirements when working with an autoclave.
45. Organization of transportation of sick animals. Vehicle handling.

5. METHODOLOGICAL MATERIALS DEFINING THE PROCEDURES FOR ASSESSING KNOWLEDGE, SKILLS AND WORK EXPERIENCE THAT CHARACTERIZE THE STAGES OF COMPETENCE FORMATION

Criteria for assessing students' knowledge during the colloquium:

- The mark "excellent" - the student clearly expresses his point of view on the issues under consideration, giving appropriate examples.
- Mark "good" - the student makes some errors in the answer.
- Mark "satisfactory" - the student discovers gaps in knowledge of the basic educational and normative material.
- Mark "unsatisfactory" - the student discovers significant gaps in knowledge of the main provisions of the discipline, inability to obtain the correct solution to a specific practical problem with the help of a teacher.

Criteria for evaluating students' knowledge during testing: The test result is evaluated on a percentage scale. Each student is offered a set of test tasks consisting of 25 questions:

- Mark "excellent" – 25-22 correct answers.
- Mark "good" – 21-18 correct answers.
- The mark is "satisfactory" – 17-13 correct answers.
- The mark is "unsatisfactory" – less than 13 correct answers. Criteria of knowledge during the test:

- The "credited" grade must correspond to the parameters of any of the positive grades ("excellent", "good", "satisfactory").

- The "not credited" grade must correspond to the parameters of the "unsatisfactory" grade.

- "Excellent" mark – all types of educational work provided for in the curriculum have been completed. The student demonstrates the compliance of knowledge, skills, and abilities with the indicators shown in the tables, operates with acquired knowledge, skills, and applies them in situations of increased complexity. At the same time, there may be inaccuracies, difficulties in analytical operations, and the transfer of knowledge and skills to new, non-standard situations.

- Mark "good" – all types of educational work provided for in the curriculum have been completed. The student demonstrates the compliance of knowledge, skills, and abilities with the indicators shown in the tables, operates with the acquired knowledge, skills, and applies them in standard situations. At the same time, minor errors, inaccuracies, difficulties in analytical operations, and the transfer of knowledge and skills to new, non-standard situations may be made.

- The mark "satisfactory" means that one or more types of educational work provided for in the curriculum have not been completed. The student demonstrates incomplete compliance of knowledge, skills, and abilities with the indicators shown in the tables, significant errors are made, a partial lack of knowledge, skills, and abilities is manifested in a number of indicators, and the student has significant difficulties operating with knowledge and skills when transferring them to new situations.

- The mark "unsatisfactory" means that the types of educational work provided for in the curriculum have not been completed. The student demonstrates

incomplete compliance of knowledge, skills, and abilities given in the tables of indicators, significant errors are made, lack of knowledge, skills, and abilities is manifested in a large number of indicators, the student experiences significant difficulties in operating knowledge and skills when transferring them to new situations

Criteria for assessing students' knowledge when reviewing essays:

- "excellent" mark - the problem is identified and its relevance is justified; an analysis of various points of view on the problem under consideration is made and one's own position is logically stated; conclusions are formulated, the topic is fully disclosed, the volume is maintained; the requirements for external design are met, the basic requirements for the course work are fulfilled

- The mark is "good" - mistakes have been made. In particular, there are inaccuracies in the presentation of the material; there is no logical consistency in judgments; the volume of coursework has not been sustained; there are omissions in the design, there are significant deviations from the requirements for coursework.

- Mark "satisfactory" - the topic is only partially covered; factual errors were made in the content of the course work; there are no complete conclusions, the topic of the course work is not disclosed

- The mark "unsatisfactory" indicates a significant misunderstanding of the problem in the course work, the topic is not fully disclosed, the volume is not maintained; the requirements for external design are not met.

6. ACCESSIBILITY AND QUALITY OF EDUCATION FOR PEOPLE WITH DISABILITIES

If necessary, people with disabilities and people with disabilities are given additional time to prepare an answer for the test. When carrying out the procedure for evaluating the learning outcomes of people with disabilities and persons with disabilities, their own technical means can be used. The procedure for evaluating the learning outcomes of people with disabilities and persons with disabilities in the discipline provides for the provision of information in forms adapted to the limitations of their health and perception of information:

For people with visual impairments:	– in printed form in enlarged font, – in the form of an electronic document.
For people with hearing impairments:	– in printed form, – in the form of an electronic document.
For people with musculoskeletal disorders	– in printed form, the device: – in the form of an electronic document.

When conducting the assessment procedure for the learning outcomes of people with disabilities and persons with disabilities in the discipline, it ensures

that the following additional requirements are met, depending on the individual characteristics of the students:

a) instructions on how to conduct the assessment procedure are provided in an accessible form (orally, in writing);

b) an accessible form of assignment of assessment tools (in printed form, in printed form in enlarged font, in the form of an electronic document, assignments are read out by the teacher);

c) an accessible form of providing answers to tasks (written on paper, a set of answers on a computer, verbally).

If necessary, for students with disabilities and people with disabilities, the procedure for evaluating learning outcomes in a discipline can be carried out in several stages.

The procedure for assessing the learning outcomes of people with disabilities and persons with disabilities is allowed using distance learning technologies.

Program abstract of the discipline
B1.O.19 "Life safety"
Specialty 36.05.01 Veterinary medicine
Profile: «General clinical veterinary medicine»

The purpose of mastering the discipline: Life safety is a discipline that forms students' skills to create healthy and safe working conditions at work, to reduce the loss of working time caused by unsatisfactory working conditions and occupational injuries.

The place of the discipline in the curriculum: Discipline B1.O.19 "Life safety" is a discipline of Block 1 of the mandatory part of the federal state educational standard of higher education in specialty 36.05.01 "Veterinary Medicine", profile "General Clinical Veterinary medicine", (specialty level). It is mastered in the 4th semester.

Requirements for the results of mastering the discipline: the study of the discipline should form the following competencies:

UC-8: «Able to create and maintain safe living conditions, including in emergency situations».

UC-8ID-1 To know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; fundamentals of life safety, emergency telephone numbers.

UC-8ID-2 Should be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger to the student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

UC-8ID-3 Possess the skills to ensure safety in the "human-animal-habitat" system. Possess methods of predicting the occurrence of dangerous or emergency situations; skills in maintaining safe living conditions, including those based on digital technologies.

PC-18: «Is able to carry out veterinary and sanitary expertise, manage the production and certification of livestock products, beekeeping, aquatic fisheries and feed, as well as transport rules of animals and goods during export and import operations to ensure food safety, carry out a sanitary assessment of livestock facilities and structures»

PC-18ID-2 To know the government standards in the field of veterinary and sanitary expertise and control of the production of safe livestock products, keeping, aquatic fisheries and feed, as well as plant products; rules for veterinary and sanitary examination and quality control of food of animal origin; preventive measures of zoonoses; modern means and methods of disinfection, disinsection and deratization of slaughterhouses and meat processing enterprises; norms and rules for the organization and control of transportation of animals, raw materials, products of animal origin, bee products and aquatic fisheries; biology and life cycles of animals that cause zoonoses, as well as factors of its infection; basic concepts and terms in the field of controlling the quality of animal slaughter products, its chemical composition, nutritional value, quality

factors.

Summary of the discipline:

- **introduction to the subject of life safety. Goals and objectives. Basic concepts. Regulatory, legal and organizational bases of life safety;**
- **State regulation of the labor process. The procedure for concluding employment contracts; - accounting and investigation of industrial accidents. Procedure for registration of documentation on industrial accidents;**
- **the procedure for conducting and completing safety briefings. Selection and calculation of the need for personal protective equipment for veterinary specialists; - fundamentals of industrial sanitation. Occupational hygiene in animal husbandry. Electrical safety. Veterinary and bacteriological supervision in animal husbandry;**
- **fundamentals of fire safety. The effects of noise, ultrasound, infrasound, and vibration on the human body. Methods of protection;**
- **technical fire extinguishing equipment. Methods of their application in the conditions of agricultural enterprises. Features of working with autoclaves, Dewar vessels and containers with liquefied gas;**
- **study of microclimate and illumination parameters at the workplace and in livestock facilities. Safety precautions when working with aggressive and toxic substances;**
- **anthropozoonoses. Occupational hygiene in the care of sick animals. Organization of their transportation. Safety measures during autopsy of animal corpses, transfer of pathological material, disposal and destruction;**
- **analysis of occupational injuries. First aid to the injured.**

Total labor intensity of the discipline: 3 credits (108 academic hours).

Final control in the discipline: test.