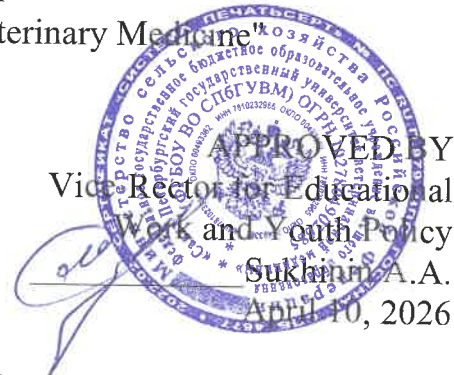


Документ подписан простой электронной подписью  
Информация о владельце:  
ФИО: Сухинин Александр Александрович  
Должность: Проректор по учебно-воспитательной работе  
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Ministry of Agriculture of the Russian Federation  
Federal State Budgetary Educational Institution  
of Higher Education  
"St. Petersburg State University of Veterinary Medicine"



**Department of Organization, Economics and Management of Veterinary Business**

**EDUCATIONAL WORK PROGRAM**

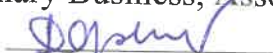
**for the discipline**

**The level of higher education  
SPECIALIST COURSE  
«ORGANIZATION OF VETERINARY AFFAIRS»**

**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 03, 2026  
Protocol No. 12

Head of the Department  
of Organization, Economics and Management  
of Veterinary Business, Associate Professor  
 Orekhov D.A.

Saint Petersburg  
2026

## **1. AIMS AND OBJECTIVES OF THE DISCIPLINE «ORGANIZATION OF VETERINARY AFFAIRS»**

The main purpose of the discipline in the training of veterinarians is to give students knowledge about the forms and principles of organization, financing and management of veterinary medicine in modern conditions, planning, implementation and documentation of veterinary activities.

To achieve this goal, it is necessary to solve the following tasks:

a) The general educational task consists in in-depth familiarization of students with regulatory legal documents regulating the organization of veterinary services, methods of forecasting, planning, analysis on the organization of veterinary medicine and provides fundamental education in accordance with the requirements for higher education institutions of a biological profile.

b) The applied task highlights issues related to the practical application of regulatory legal documents, skills of statistical information processing and registration of veterinary documents using software, determining the economic effectiveness of preventive, curative and health-improving veterinary measures and creates a conceptual framework for the implementation of interdisciplinary structural and logical relationships in order to develop medical thinking skills.

c) A special task is to familiarize students with modern trends and methodological approaches used in the organization of veterinary business, planning, organization of implementation and documentation of veterinary activities, in the prevention, detection and suppression of violations of the legislation of the Russian Federation in the field of veterinary medicine.

## **2. THE LIST OF THE PLANNED RESULTS OF THE DISCIPLINE (MODULE), CORRELATED WITH THE PLANNED RESULTS OF THE REALISED EDUCATIONAL PROGRAM**

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

The field of professional activity:

13 Agriculture

Types of tasks of professional activity:

• medical

### **2.1. The student's competencies formed (acquired) as a result of mastering the discipline**

The education of the discipline should form the following competencies:

**GPC-3 Is able to carry out and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex**

GPC-3 ID-1 **To know** the basics of national and international veterinary legislation, specific rules and regulations, governing veterinary activities at the local, national and international levels.

GPC-3 ID-2 **To be able to find up to-date, relevant and reliable information about veterinary legislation, rules and regulations governing veterinary activities in a particular region and/or country.**

GPC-3 ID-3 **To possess skills of the legal framework and ethical standards in the implementation of professional activities.**

**GPC-5 Is able to draw up special documentation, analyze the results of professional activity and submit accounting documents, using specialized databases.**

GPC-5 ID-1 **To know** modern software, basic system software products and application software packages; technical means of implementation information processes.

GPC-5 ID-2 **To be able to** apply new information technologies to solve tasks in professional activity, work with specialized information databases.

GPC-5 ID-3 **To possess skills of** the work with the operating system, text and table processors, database management systems, information search systems on the Internet.

**GPC-7 Is able to understand the principles of modern information technologies and use them to solve professional tasks**

GPC-7 ID-1 **To know** modern technical means and information technologies

GPC-7 ID-2 **To be able to** use modern technical means and information technologies, including elements of machine learning and artificial intelligence to solve analytical and research problems.

GPC-7 ID-3 **To possess skills to** use modern technical means and information technologies to solve analytical and research problems.

**PC-11 Design of an annual plan of antiepidemiological measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures**

PC-11 ID-1 **To be able to** collect and analyze information, including veterinary statistics data, necessary for planning preventive antiepidemiological measures, prevention of non-contagious animal diseases, veterinary and sanitary measures

PC-11 ID-2 **To know** the methods of collecting and analyzing information for veterinary planning, using information databases as well.

**PC-13 Development of the enterprise protection measures from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures**

PC-13 ID-1 **To know** the types of measures to ensure veterinary and sanitary safety and the requirements for its implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine

**PC-14 Development of preventive immunization (vaccination), therapeutic and preventive treatments of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of the measures for the prevention of animal diseases and its improvement**

PC-14 ID-1 **To be able to** evaluate the effectiveness of preventive measures and ways to implement them, using digital technologies as well

PC-14 ID-3 **To know** the types of antiepidemiological measures and the requirements for their implementation in accordance with the guidelines, instructions, manuals, rules of diagnosis, prevention and treatment of animals

**PC-19 - Able to organize monitoring studies using systems for processing large amounts of data and artificial intelligence in professional activities**

PC-19 ID-1 - **To know** software systems for automatic management of veterinary documentation

PC-19 ID-2 - **To possess** skills in working with large arrays of veterinary documentation

PC-19 ID-3 - **To possess** knowledge in the field of artificial intelligence and data analysis

### **3. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF THE MPEP**

Discipline B1.O.36 «Organization of veterinary affairs» refers to the disciplines of the compulsory part of the Federal State Educational Standard of Higher Education in the specialty 36.05.01 "Veterinary Medicine" (specialty level).

Mastered: in the 8th and 9th semester - full-time study.

When teaching the discipline "Organization of veterinary business", the knowledge and skills acquired by students during the development of disciplines in previous courses are used: Computer Science and digital technologies; Law; Virology.

The discipline "Organization of veterinary affairs" is mastered in conjunction with such disciplines as: Pathological anatomy of animals; Bird diseases; Parasitology and invasive animal diseases; Epizootology and infectious diseases of animals. The discipline is the basic one on which subsequent disciplines are based, such as: Veterinary and sanitary expertise and Assessment and risk management in animal health.

#### 4. THE SCOPE OF DISCIPLINE AND TYPES OF ACADEMIC WORK

##### 4.1. The scope of the discipline for full-time education

Type of educational work	Hours	Semester	
		8	9
<b>Classroom classes (total)</b>	<b>98</b>	<b>48</b>	<b>50</b>
<b>Including:</b>	-	-	-
<b>Lectures, including interactive forms</b>	32	16	16
Practical lessons (PL), including interactive forms, among which are:	66	32	34
practical training (PT)	12	6	6
<b>Self-study</b>	<b>91</b>	<b>60</b>	<b>31</b>
<b>Control</b>	<b>27</b>	-	<b>27</b>
Type of intermediate and final certification (credit, exam)	test exam	test	exam
Total labor intensity hours/credits	<b>216/6</b>	<b>108/3</b>	<b>108/3</b>

**5. THE CONTENT OF THE DISCIPLINE AND TYPES OF CLASSES**  
**5.1. The content of the discipline (full-time education)**

№	The title	Achieved competences	Semester	Types of academic work, including independent work of students and labor intensity (in hours)			
				Lectures	Practical lessons	Practical training	Self-study
1.	Veterinary service in the Russian Federation. Veterinary medicine. Tasks of veterinary medicine. Specialists in the field of veterinary medicine.	<p><b>GPC-3</b> - Able to carry out and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex</p> <p><b>GPC-3 ID-1</b> - know the basics of national and international veterinary legislation, legislation on digital technologies in the field of agro-industrial complex, specific rules and regulations governing veterinary activities at the local, national and international levels</p> <p><b>GPC-3 ID-2</b> - be able to find modern, relevant and reliable information on veterinary legislation, including through the use of digital technologies, rules and regulations governing veterinary activities in a particular region and/or country</p> <p><b>GPC-3 ID-3</b> - possess the regulatory framework and ethical standards in the implementation of professional activities</p>	8	2	-	-	2
	Types of veterinary services in the Russian Federation. The system of the state veterinary service of the Russian Federation. Tasks of the state veterinary service.			2	2	-	2
3.	Federal Service for Veterinary and Phytosanitary Supervision.	<p><b>PC-13</b> - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures</p> <p><b>PC-13 ID-1</b> - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation</p>	8	2	-	-	4
4.	Clerical work. Types of veterinary documents. Organization of clerical work in state veterinary institutions, livestock farms and veterinary clinics. Nomenclature of cases in veterinary institutions.			-	3	1	4
5.	Rationing of labor of veterinary specialists. Professional standard "Employee in the field of veterinary medicine".	<p><b>PC-13</b> - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures</p> <p><b>PC-13 ID-1</b> - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation</p>	8	-	4	-	4
6.	Management of veterinary affairs in the Russian Federation. Ministry of Agriculture. Department of Veterinary Medicine.			2	-	-	4
7.	Organization of veterinary affairs in the constituent entities of the Russian Federation. Organization of veterinary	<p><b>PC-13</b> - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures</p> <p><b>PC-13 ID-1</b> - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation</p>	8	2	-	-	4
				2	-	-	4

	affairs in the city.	of the Russian Federation in the field of veterinary medicine					
8.	Veterinary service funding. Financial and economic activity plan of the institution. State assignment, procedure for the provision of state veterinary services.		8	-	2	-	2
9.	Organization of veterinary affairs in a rural administrative (municipal) district. Animal disease control station and network of veterinary institutions in the district.	<b>PC-14</b> - Organization of preventive immunizations (vaccinations), medical and preventive treatment of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of measures to prevent animal diseases in order to improve them	8	-	2	-	4
10.	Rules for drawing up acts for anti-epidemiological measures.		8	-	2	2	4
11.	Regulatory regulation of the provision of veterinary services. Rules for the provision of paid veterinary services.	PC-14 ID-1 - be able to assess the effectiveness of the preventive measures taken and the methods of their implementation, including using digital technologies PC-14 ID-3 - know the types of antiepidemiological measures and the requirements for their implementation in accordance with methodological guidelines, instructions, guidelines, rules for the diagnosis, prevention and treatment of animals	8	-	2	-	2
12.	Organization of veterinary services for agricultural enterprises. Production veterinary service.	<b>GPC-5</b> - Able to draw up special documentation, analyze the results of professional activities and submit reporting documents using specialized databases	8	-	2	-	4
13.	Veterinary accounting. Using computer programs for veterinary accounting and reporting in institutions and organizations of the veterinary service.	GPC-5 ID-1 - be able to apply new information technologies to solve the tasks in their professional activities, work with specialized information databases	8	-	3	1	4
14.	Procedure for providing information to the state information support system in the field of agriculture. Application of artificial intelligence technologies.	GPC-5 ID-2 - possess the skills to work with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet GPC-5 ID-3 - to know new information technologies for solving the tasks in their professional activity, to work with specialized information databases	8	-	2	2	4
15.	Veterinary laboratories in the Russian	<b>GPC-7</b> - Able to understand the principles of	8	2	2	-	4

	Federation. Functions. Tasks. Veterinary and sanitary examination laboratories. Veterinary entrepreneurship.	modern information technologies and use them to solve problems of professional activity GPC-7 ID-1 - to know modern technical means and information technologies GPC-7 ID-2 - to be able to use modern technical means and information technologies, including elements of machine learning and artificial intelligence, to solve analytical and research tasks GPC-7 ID-3 - to have skills in using modern technical means and information technologies to solve analytical and research tasks							
16.	Veterinary management and marketing. Advertising of veterinary goods and services.		8	2	-	-			4
17.			8	2	-	-			4
				<b>16</b>	<b>26</b>	<b>6</b>			<b>60</b>
		<b>Total for the 8th semester:</b>							
1.	Planning of veterinary measures. Planning of diagnostic studies, veterinary-preventive and antiepidemiological measures.	<b>PC-11</b> - Development of an annual plan of antiepidemiological measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures <b>PC-11 ID-1</b> - to be able to collect and analyze information, including veterinary statistics data, necessary for planning preventive antiepidemiological measures, prevention of non-contagious animal diseases, veterinary and sanitary measures <b>PC-11 ID-2</b> - to know methods of collecting and analyzing information in veterinary planning, including using information databases	9	2	3	1			4
2.	Procedure for drawing up a plan of measures for the elimination and prevention of mass non-contagious animal diseases.		9	-	3	1			4
3.	Planning of measures for the elimination of animal diseases. Procedure for drawing up a plan of measures for the elimination of infectious animal diseases.	<b>PC-13</b> - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures <b>PC-13 ID-1</b> - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine	9	2	3	1			4
4.	FGIS VetIS. Regulatory and legal	<b>PC-19</b> - Able to organize monitoring studies	9	2	2	-			4

	regulation, goals of creation, component structure. Working with federal government information systems (FGIS) in the FGIS Emulator.	using big data processing systems and artificial intelligence in professional activities. PC-19 ID-1 - Know software packages for automatic management of veterinary documentation PC-19 ID-2 - Possess skills in working with large arrays of veterinary documentation PC-19 ID-3 - Possess knowledge in the field of artificial intelligence and data analysis						
5.	Special information system Horriot. Marking and accounting of animals.		9	2	-	-		4
6.	Automated system Cerberus. Main purpose, goals of creation. Regionalization of the territory of the Russian Federation.		9	2	-	-		4
7.	Automated system Mercury. Main purpose, goals of creation, subsystems, general principles of operation.		9	2	-	-		4
8.	Automated systems Vesta and Sirano. Main purpose, goals of creation. Efficiency of the early warning system. Automated system Argus. Main purpose.		9	2	-	-		4
9.	Procedure for issuing veterinary accompanying documents.	<b>GPC-5</b> - Able to draw up special documentation, analyze the results of professional activities and submit reporting documents using specialized databases	9	-	2	-		4
10.	Execution of veterinary accompanying documents in electronic form in IS Mercury.	GPC-5 ID-1 - be able to apply new information technologies to solve the tasks in their professional activities, work with specialized information databases GPC-5 ID-2 - possess the skills to work with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet GPC -5 ID-3 - to know new information technologies for solving the tasks in their professional activity, to work with specialized information databases	9	-	3	1		4
11.	Accounting, storage, write-off, inventory of veterinary property, acceptance and transfer of cases.		9	-	2	-		4
12.	Licensing of pharmaceutical activities in the field of drug circulation for veterinary use. Licensing requirements and	<b>GPC-7</b> - Able to understand the principles of modern information technologies and use them to solve problems of professional activity	9	2	-	-		4

	conditions. Rules for storing medicines for veterinary use.	GPC-7 ID-1 - to know modern technical means and information technologies GPC-7 ID-2 - to be able to use modern technical means and information technologies, including elements of machine learning and artificial intelligence, to solve analytical and research tasks GPC-7 ID-3 - to have skills in using modern technical means and information technologies to solve analytical and research tasks						
13.	Veterinary rules for keeping animals. Responsibilities of organizations and citizens - owners of animals and producers of products of animal origin.	PC-13 - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures	9	-	4	-	4	
14.	Veterinary rules for the collection, storage, movement, disposal and destruction of biological waste.	PC-13 ID-1 - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine	9	-	2	-	2	
15.	Economic analysis of the results of veterinary work in the implementation of the system of veterinary measures. Determination of the total economic damage caused by animal diseases. Determination of the economic efficiency of veterinary measures.	PC-14 - Organization of preventive immunizations (vaccinations), medical and preventive treatment of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of measures to prevent animal diseases in order to improve them PC-14 ID-1 - be able to assess the effectiveness of the preventive measures taken and the methods of their implementation, including using digital technologies PC-14 ID-3 - know the types of antiepidemiological measures and the requirements for their implementation in accordance with methodological guidelines, instructions, guidelines, rules for the diagnosis, prevention and treatment of animals	9	-	4	2	4	
		<b>Total for the 9th semester:</b>	<b>16</b>		<b>28</b>	<b>6</b>	<b>58</b>	



## 6. THE LIST OF EDUCATIONAL AND METHODOLOGICAL SUPPORT FOR STUDENTS' SELF WORK

Correct organization and planned self – work stimulate research and creative activity of students. Self-work should be understood not only as the ability to make independent conclusions and to apply the knowledge, gained in practice, but also as the ability to organize their activities without outside help.

During the practical classes, the discussion of the topic is conducted in a free creative form. Students discuss with the teacher not only the questions formulated in the educational and methodological complex, but also ask questions that they have during preparation for the seminar, and state their own position on a particular problematic issue in a reasoned manner.

Preparing for the lesson involves the study of theoretical lecture material and regulatory documents. When solving problems, it is recommended to analyze the conditions, formulate a solution clearly and competently, giving references to the relevant legal norms. In order to assimilate the material and better prepare for future professional activity, it is necessary to strive to change the conditions of the task in order to choose the best solution to a specific life situation.

The type of tasks for students' self-work is determined by the teacher through the work program and assessment funds.

### 6.1. Guidelines for self -work

1. Methodological guidelines for the organization and economics of veterinary medicine / comp.: N. M. Kalishin [and others]; SPbGAVM. - St. Petersburg : SPbGAVM Publishing House, 2011. - 79 p. - URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9MjQyJnBzPTgy> (accessed: April 03, 2026). - Access mode: for authorized users of the SPbGUVVM EB.
2. Economic efficiency of veterinary measures: [guidelines] / N. M. Kalishin, D. A. Orekhov, A. I. Shnur [and others]; SPbGAVM. - St. Petersburg: SPbGAVM, 2013. - 35 p. - URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9MTM3JnBzPTM2> (accessed April 03, 2026).- Access mode: for authorized users of the SPbGUVVM EB.

### 6.2. Literature for independent work

1. Russian Federation. Laws. On Veterinary Medicine: Federal Law No. 4979-1: text with amendments and additions as of December 8, 2020: [adopted May 14, 1993]. - URL :<https://login.consultant.ru/> (accessed April 03, 2026). - Access mode: local.
2. Kalishin, N.M. Veterinary service of meat processing enterprises: teaching aid / N. M. Kalishin, A. A. Makavchik; Ministry of Agriculture of the Russian Federation, SPbGAVM. - St. Petersburg: SPbGAVM Publishing House, 2008. - 73 p.
3. On the approval of Veterinary rules for organizing work on the execution of veterinary accompanying documents, the procedure for executing veterinary accompanying documents in electronic form and the procedure for executing veterinary accompanying documents for: Order of the Ministry of Agriculture of the Russian Federation dated December 13. 2022 No. 862. - Electronic text // Regulatory and legal regulation in veterinary medicine. - 2023. - N 1. - P.12-13.- URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9MTgxNzQmcHM9MTE0> <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9NjY5MyZwcz0xNDQ=> (accessed April 03, 2026). - Access mode: for authorized users of the SPbGUVVM EB.
4. Collection of tasks and tests in the discipline "Organization of Veterinary Affairs": a textbook for independent work of students studying in the specialty 36.05.01 - "Veterinary Medicine" / D. A. Orekhov, D. V. Zakhodnova, I. I. Shershneva [and others]; Ministry of Agriculture of the Russian Federation, SPbGUVVM. - St. Petersburg: FGBOU VO SPbGUVVM, 2020. - 82p. - URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9ODM3JnBzPTgy>

(accessed April 03, 2026). - Access mode: for authorized users of the SPbGUVM EB. <https://search.spbguv.m.informsystema.ru/viewer.jsp?aWQ9ODM3JnBzPTgy> (accessed April 03, 2026)

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

### 7.1. Main literature:

1. Office work in veterinary institutions and organizations: учебное пособие / авт.-сост.: А. А. Aliiev [and others]; SPbGAVM. - St. Petersburg: SPbGAVM Publishing House, 2018. - 86 p. - URL: <https://search.spbguv.m.informsystema.ru/viewer.jsp?aWQ9MjU4JnBzPTg4> (accessed April 03, 2026). - Access mode: for authorized users of the SPbGUVM EB.
2. Fundamentals of planning veterinary measures: учебное пособие / А. А. Aliiev, D. А. Pomerantsev, D. V. Zakhodnova [and others]; Ministry of Agriculture of the Russian Federation, SPbGUVM. - St. Petersburg: SPbGUVM Publishing House, 2021. - 107 p. - URL: <https://search.spbguv.m.informsystema.ru/viewer.jsp?aWQ9OTAwJnBzPTEwOA==> (accessed April 03, 2026). - Access mode: for authorized users of the SPbGUVM EB.
3. Organization of veterinary business activity: учебное пособие / сост.: D. А. Orekhov [and others]; SPBGAVM. - Saint Petersburg: SPBGAVM, 2016. - 79 с. - URL : <https://search.spbguv.m.informsystema.ru/viewer.jsp?aWQ9MTI2JnBzPTgw> (accessed: April 03, 2026). - Access mode: for authorized users of the SPBGAVM EB.

### 7.2. Additional literature:

1. Standardization of labor of veterinary specialists engaged in the processing of veterinary accompanying documents in the electronic system "Mercury" at enterprises for the production, storage and sale of animal products: methodological recommendations / D. А. Pomerantsev, P. O. Shekshueva, D. V. Zakhodnova, N. А. Semenenko; Ministry of Agriculture of the Russian Federation, SPBGAVM. - Saint Petersburg: FGBOU VO SPBGAVM, 2020. - 30 с. - URL: <https://search.spbguv.m.informsystema.ru/viewer.jsp?aWQ9ODgxJnBzPTMy> (accessed: April 03, 2026). - Access mode: for authorized users of the SPBGAVM EB.
2. Registration and issuance of veterinary accompanying documents: methodological guidelines for the organization and economics of veterinary affairs / D. А. Orekhov; Ministry of Agriculture of the Russian Federation, SPBGAVM. - Saint Petersburg: Publishing house of SPBGAVM, 2012. - 36 с. - URL : <https://search.spbguv.m.informsystema.ru/viewer.jsp?aWQ9MTIyJnBzPTM2> (accessed: April 03, 2026). - Access mode: for authorized users of the SPBGAVM EB.

## 8. LIST OF RESOURCES OF THE INFORMATION AND TELECOMMUNICATION NETWORK "INTERNET" NECESSARY FOR MASTERING THE DISCIPLINE

To prepare for practical classes and perform independent work, students can use the following Internet resources:

1. <https://meduniver.com> - Medical information site.
2. <https://www.gov.spb.ru/gov/otrasl/veter/> Veterinary Department of St. Petersburg. Official website.
3. [www.vetrif.ru](http://www.vetrif.ru) - The website of the state information system in the field of veterinary medicine is hanging.
4. [www.fsvps.ru](http://www.fsvps.ru) - Rosselkhoznadzor official website.
5. [www.mgavm.ru](http://www.mgavm.ru) - information site MGAVMiB.
6. <https://центр-ветеринарии.RF> - Federal State Budgetary Institution "Center of Veterinary Medicine".

### **Electronic library systems:**

1. EBS "SPBGUVM" <https://search.spbgouv.informsystema.ru/>
2. ЭБС «Консультант студента» EBS "Lan Publishing House"
3. Справочно-правовая система «КонсультантПлюс» Legal reference system "ConsultantPlus"
4. Университетская информационная система «РОССИЯ» University information system "RUSSIA"
5. Полнотекстовая база данных POLPRED.COM
6. Научная электронная библиотека ELIBRARY.RU Scientific electronic Library ELIBRARY.RU
7. Российская научная Сеть Russian Scientific Network
8. Электронно-библиотечная система IQlib The IQlib electronic Library system
9. Full-text interdisciplinary database on agricultural and environmental sciences ProQuest AGRICULTURAL AND ENVIRONMENTAL SCIENCE DATABASE
10. Electronic books published by Prospect Nauki <http://prospektnauki.ru/ebooks/>
11. Collection "Agriculture. Veterinary medicine" publishing house "Quadro" EBS "Elibris" 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 on planning and organizing the time needed to study the discipline. Description of the sequence of actions of the student, or "the scenario of the discipline". Morning time is the most fruitful for academic work (from 8-14 hours), followed by afternoon time (from 16-19 hours) and evening time (from 20-24 hours). 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 is required (10-15 minutes), after 4 hours of work, the break should be 1 hour. Part of the scientific organization of labor is the mastery of the technique of mental labor. Normally, a student should devote about 10 hours a day to studying (6 hours at university, 4 hours at home).
- Recommendations for working on lecture material When preparing for a lecture, the student is recommended:
  - 1) view the recordings of the previous lecture and restore the previously studied material in memory;
  - 2) it is useful to review the upcoming material of a future lecture;
  - 3) if an independent study of individual fragments of the topic of the last lecture is set, then it must be completed without delay;
  - 4) psychologically tune in to the lecture.

This work includes two main stages: lecture notes and subsequent work on lecture material. Taking notes means making a synopsis, i.e. a brief written statement of the content of something (an oral presentation - a speech, lecture, treasure, etc., or a written source – a document, article, book, etc.).

The methodology of work when taking notes of oral presentations differs significantly from the methodology of work when taking notes of written sources. By taking notes of written sources, the student has the opportunity to repeatedly read the desired passage of the text, reflect on it, highlight the main thoughts of the author, briefly formulate them, and then write them down. If necessary, he can also change his attitude to this point of view. While listening to a lecture, the student should postpone most of the complex of the above-mentioned works for another time, trying to use every minute to record the lecture, and not to comprehend it – there is

no time left for this. Therefore, when taking notes of a lecture, it is recommended to separate fields on each page for subsequent entries in addition to the summary. After recording a lecture or making a summary of it, you should not leave work on the lecture material before preparing for the test.

It is necessary to do as early as possible the work that accompanies taking notes of written sources and which could not be done during the recording of the lecture - read your notes, deciphering individual abbreviations, analyze the text, establish logical connections between its elements, in some cases show them graphically, highlight the main thoughts, mark issues that require additional information processing, in particular, the teacher's advice. When working on the text of the lecture, the student should pay special attention to the problematic issues raised by the teacher during the lecture, as well as to his assignments and recommendations. For each lecture, practical lesson and laboratory work, the number, topic, list of issues under consideration, volume in hours and links to recommended literature are provided. For classes conducted in interactive forms, their organizational form should be indicated: computer simulation, business or role-playing game, analysis of a specific situation, etc. • Recommendations for preparing for practical classes Practical (seminar) classes are an important part of the professional training of students.

The main purpose of conducting practical (seminar) classes is to form students' analytical, creative thinking through the acquisition of practical skills. Practical classes are also conducted in order to deepen and consolidate the knowledge gained in lectures and in the process of independent work on normative documents, educational and scientific literature. When preparing for a practical lesson for students, it is necessary to study or repeat the 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) to study the literary sources that have been recommended and familiarize yourself with the introductory remarks to the relevant sections.

Methodological guidelines 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 curricula of the disciplines in the sections "List of topics of practical (seminar) classes". The most important component of any form of practical training is assignments. The basis of the assignment is an example that is understood from the standpoint of the theory developed in the lecture. As a rule, the main attention is paid to the formation of specific skills, skills, which determines the content of students' activities - problem solving, laboratory work, clarification of 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 an attentive attitude 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 verify the correctness of previously acquired knowledge; - instill skills of independent thinking, oral presentation; - contribute to the free operation of terminology; - provide the teacher with the opportunity to systematically monitor the level of independent work of students.

Methodological guidelines for practical (seminar) classes in the discipline should be focused on modern business conditions, current regulatory documents, advanced technologies, the latest achievements of science, technology and practice, modern ideas about certain phenomena, the studied reality. • Recommendations for working with literature. Working with literature is an important stage of a student's independent work on mastering a subject, contributing not only to the consolidation of knowledge, but also to the expansion of horizons, mental abilities, memory, the ability to think, express and confirm their hypotheses and ideas. In

addition, the skills of research work necessary for further professional activity are being developed.

When starting to study the literature on the topic, it is necessary to make notes, notes, and notes. It is imperative to take notes of the works of theorists, which make it possible to comprehend the theoretical basis of the study. For the rest, you can limit yourself to extracts from the studied sources. All extracts and quotations must have the exact "return address" (author, title of the work, year of publication, page, etc.). It is advisable to write an abbreviated title of the question to which you refer-a squeak or quote. In addition, it is necessary to learn how to immediately compile a file of special 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, abstract journals. At the same time, publications of sources (articles, book titles, etc.) should be written on separate cards, which must be filled in according to the rules of bibliographic description (name, initials of the author, title of the work. Place of publication, publisher, year of publication, number of pages, and for journal articles - the name of the journal, 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 more 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 content, structure, on which sources it is written, etc. • Explanations about working with control and test materials for the course, recommendations for completing homework. Testing is a test that allows you to determine whether the real behavior of the program corresponds to the expected one 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 under test or part of it. Each question in the discipline must be answered correctly by choosing one option. • Recommendations on the implementation of abstracts, defining their thematic focus, goals and objectives of implementation, requirements for content, volume, design and organization of guidance on their preparation by departments and teachers.

## **10. EDUCATIONAL WORK**

Within the framework of the discipline, educational work is carried out to form a modern scientific worldview and a system of basic values, the formation and development of spiritual and moral, civil and patriotic values, a system of aesthetic and ethical knowledge and values, attitudes of tolerant consciousness in society, the formation of students' need for work as the first vital necessity. the highest value and the main way to achieve success in life, to realize the social significance of their future profession.

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

### **11.1 Information technologies**

**For the educational process of the discipline is previewed the use of information technologies:**

- practical classes using multimedia;
- interactive technologies (dialogues, collective discussion on various topics for realization a particular educational and professional task);
- interaction with students via e - mail;
- community work in the electronic information and educational environment of St. Petersburg State University: <https://spbguv.ru/academy/eios>

## 11.2. Software

### The list of licensed and free- distributed software, including national programs

№ п/п	Technical and computer programs recommended by sections and topics of the program	License
1	MS PowerPoint	67580828
2	LibreOffice	free software
3	OS Alt Education	AAO.0022.00
4	ABIS "MARK-SQL"	02102014155
5	MS Windows 10	67580828
6	System Consult Plus	503/KJI
7	Android OS	free software

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

The title of the discipline (module), practice in accordance with the curriculum	The title of special rooms and rooms for self-work	Equipment of special rooms and rooms for self-work
Organization of veterinary affairs	338 (196084, St. Petersburg, Chernigovskaya str., 5) A classroom for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification	<i>Specialized furniture:</i> classroom tables with benches, blackboard. <i>Visual aids and educational materials:</i> specialized stands (posters) for the discipline program, samples of veterinary documents
	426 (196084, St. Petersburg, Chernigovskaya str., 5) A classroom for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification	<i>Specialized furniture:</i> classroom tables with benches, blackboard. <i>Visual aids and educational materials:</i> specialized stands (posters) for the discipline program, samples of veterinary documents
	429 (196084, St. Petersburg, Chernihiv str., 5) Classroom for lectures, seminars, group and individual consultations, ongoing monitoring and intermediate certification	<i>Specialized furniture:</i> classroom tables, office chairs, interactive whiteboard, pulpit, roller blinds. <i>Visual aids and educational materials:</i> poster stand with visual materials
	136 (196084, St. Petersburg, Chernigovskaya str., 5) A classroom for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification	<i>Specialized furniture:</i> classroom tables with benches, blackboard. <i>Visual aids and educational materials:</i> specialized stands (posters) for the discipline program, samples of veterinary documents
	125 (196084, St. Petersburg, Chernigovskaya str., 5) A	<i>Specialized furniture:</i> classroom tables with benches, blackboard. <i>Visual aids</i>

classroom for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification	<i>and educational materials:</i> specialized stands (posters) for the discipline program, samples of veterinary documents
206 Large reading room (196084, St. Petersburg, Chernigovskaya str., 5) Room for self-work	<i>Specialized furniture:</i> tables, chairs <i>Technical means of education:</i> computers connected to the Internet and access to an electronic information and educational environment
214 Small reading room (196084, St. Petersburg, Chernigovskaya str., 5) Room for self-work	<i>Specialized furniture:</i> tables, chairs <i>Technical means of education:</i> computers connected to the Internet and access to an electronic information and educational environment
324 Information Technology Department (196084, St. Petersburg, Chernigovskaya str., 5) Room for storage and preventive maintenance of educational equipment	<i>Specialized furniture:</i> tables, chairs, special equipment, materials and spare parts for preventive maintenance of technical training facilities
Box No. 3 Carpentry workshop (196084, St. Petersburg, Chernigovskaya str., 5) Room for storage and preventive maintenance of educational equipment	<i>Specialized furniture:</i> tables, chairs, special equipment, materials and spare parts for preventive maintenance of technical training facilities

**Developers:**

Associate Professor of the Department of Organization, Economics and Management of Veterinary Business.



D.V. Zakhodnova

Head of the Department of Organization, Economics and Management of Veterinary Business, Associate Professor



D.A. Orekhov

**Abstract of the work program of the discipline  
B1.O.36 «Organization of veterinary affairs»  
specialty 36.05.01 Veterinary medicine  
Profile «General Clinical Veterinary Medicine»**

**The purpose of mastering the discipline:** The main goal of the discipline in the training of veterinarians is to give students knowledge of the forms and principles of organization, financing and management of veterinary practice in modern conditions, planning, implementation and documentation of veterinary activities.

**The place of discipline in the curriculum:** disciplines B1.O.36 «Organization of veterinary affairs» refers to the disciplines of the compulsory part of the Federal State Educational Standard of Higher Education in specialty 36.05.01 “Veterinary Medicine” (specialty level).

Mastered: in the 8th and 9th semester - full-time study.

Requirements for the results of mastering the discipline: as a result of mastering the discipline, the professional competence are formed GPC-3, GPC-5, GPC-7, PC-11, PC-13, PC-14; PC-19.

**GPC-3 Is able to carry out and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex**

GPC-3 ID-1 **To know:** the basics of national and international veterinary legislation, specific rules and regulations, governing veterinary activities at the local, national and international levels.

GPC-3 ID-2 **To be able to:** find up to-date, relevant and reliable information about veterinary legislation, rules and regulations governing veterinary activities in a particular region and/or country.

GPC-3 ID-3 **To possess skills of:** the legal framework and ethical standards in the implementation of professional activities.

**GPC-5 Is able to draw up special documentation, analyze the results of professional activity and submit accounting documents, using specialized databases.**

GPC-5 ID-1 **To know:** modern software, basic system software products and application software packages; technical means of implementation information processes.

GPC-5 ID-2 **To be able to:** apply new information technologies to solve tasks in professional activity, work with specialized information databases.

GPC-5 ID-3 **To possess skills of:** the work with the operating system, text and table processors, database management systems, information search systems on the Internet.

**GPC-7 Is able to understand the principles of modern information technologies and use them to solve professional tasks**

GPC-7 ID-1 **To know:** modern technical means and information technologies

GPC-7 ID-2 **To be able to:** use modern technical means and information technologies, including elements of machine learning and artificial intelligence to solve analytical and research problems.

GPC-7 ID-3 **To possess skills to:** use modern technical means and information technologies to solve analytical and research problems.

**PC-11 Design of an annual plan of antiepidemiological measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures**

PC-11 ID-1 **To be able to** collect and analyze information, including veterinary statistics data, necessary for planning preventive antiepidemiological measures, prevention of non-contagious animal diseases, veterinary and sanitary measures

PC-11 ID-2 **To know** the methods of collecting and analyzing information for veterinary planning, using information databases as well.

**PC-13 Development of the enterprise protection measures from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures**

PC-13 ID-1 **To know** the types of measures to ensure veterinary and sanitary safety and the requirements for its implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine

**PC-14 Development of preventive immunization (vaccination), therapeutic and preventive treatments of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of the measures for the prevention of animal diseases and its improvement**

PC-14 ID-1 **To be able to** evaluate the effectiveness of preventive measures and ways to implement them, using digital technologies as well

PC-14 ID-3 **To know** the types of antiepidemiological measures and the requirements for their implementation in accordance with the guidelines, instructions, manuals, rules of diagnosis, prevention and treatment of animals

**PC-19 - Able to organize monitoring studies using systems for processing large amounts of data and artificial intelligence in professional activities**

PC-19 ID-1 - **To know** software systems for automatic management of veterinary documentation

PC-19 ID-2 - **To possess** skills in working with large arrays of veterinary documentation

PC-19 ID-3 - **To possess** knowledge in the field of artificial intelligence and data analysis

### **Summary of the discipline:**

Veterinary science. Veterinary science tasks. Veterinary specialists.

Federal executive body for veterinary legal regulation.

Veterinary service in the Russian Federation. Types and tasks of the veterinary service.

The system of the state veterinary service. Organization of veterinary affairs in the constituent entities of the Russian Federation.

Veterinary laboratories in the Russian Federation.

Federal Service for Veterinary and Phytosanitary Surveillance. Structure. Powers.

Entrepreneurial activities in the field of veterinary medicine.

Labor standards for veterinary specialists.

Organization of office work in state veterinary institutions, livestock enterprises, private clinics. Nomenclature of cases.

Rules for drawing up acts on veterinary measures. The procedure for submitting information to the state information support system in the field of agriculture.

Application of artificial intelligence technologies.

Financing of the veterinary service. Licensing of production and pharmaceutical activities in the field of circulation of drugs for veterinary use.

Planning of diagnostic tests, veterinary-preventive and anti-epidemic measures. Planning of measures to eliminate outbreaks of contagious and mass non-contagious animal diseases.

Veterinary rules. FGIS "VetIS": goals of creation, component structure.

Working with federal government information systems (FGIS) in the FGIS Emulator.

Argus automated system. Vesta and Cyrano automated systems. Mercury automated system.

Horriot automated system. Rules for preparing veterinary accompanying documents.

Procedure for preparing veterinary accompanying documents in electronic form.

Economic analysis of veterinary work results when implementing a system of veterinary measures.

The complexity of the discipline is: 216 academic hours (6 credits).

Final control of the discipline: test, exam

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

Department of Organization, Economics and Management of Veterinary Business

FUND OF ASSESMENT TOOLS  
for the discipline  
«**ORGANIZATION OF VETERINARY AFFAIRS**»  
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 FUND OF ASSESSMENT TOOLS

Table 1

No	Acquired competence	Assessed modules of a discipline	Assessment tool
1.	<p><b>GPC-3</b> - Able to implement and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex</p> <p>GPC-3 ID-1 - know the basics of national and international veterinary legislation, legislation on digital technologies in the field of agro-industrial complex, specific rules and regulations governing veterinary activities at the local, national and international levels</p> <p>GPC-3 ID-2 - be able to find modern, up-to-date and reliable information on veterinary legislation, including the use of digital technologies, rules and regulations governing veterinary activities in a particular region and/or country</p> <p>GPC-3 ID-3 - to possess the regulatory legal framework and ethical standards in the implementation of professional activities</p>	<p>Veterinary service in the Russian Federation.</p> <p>Veterinary medicine. Tasks of veterinary medicine. Specialists in the field of veterinary medicine.</p> <p>Types of veterinary service in the Russian Federation. System of the state veterinary service of the Russian Federation. Tasks of the state veterinary service.</p> <p>Federal Service for Veterinary and Phytosanitary Surveillance.</p> <p>Office management. Types of veterinary documents. Organization of office management in state veterinary institutions, livestock farms and veterinary clinics. Nomenclature of cases in veterinary institutions.</p> <p>Rationing of labor of veterinary specialists. Professional standard "Employee in the field of veterinary medicine".</p>	<p>Tests, Colloquium</p>
2.	<p><b>GPC-5</b> - Able to prepare special documentation, analyze the results of professional activities, and present reporting documents using specialized databases</p> <p>GPC-5 ID-1 - be able to apply new information technologies to solve the tasks in their professional activities, work with specialized information databases</p> <p>GPC-5 ID-2 - possess skills in working with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet</p> <p>GPC-5 ID-3 - know new information technologies to solve the tasks in their professional activities, work with specialized information databases</p>	<p>Veterinary accounting. The use of computer programs for maintaining veterinary records and reporting in institutions and organizations of the veterinary service.</p> <p>Accounting, storage, write-off, inventory of veterinary property, acceptance and transfer of cases.</p> <p>The procedure for providing information to the state information support system in the field of agriculture.</p> <p>Application of artificial intelligence technologies.</p> <p>Organization of veterinary services for agricultural enterprises. Production veterinary service.</p> <p>The procedure for issuing veterinary accompanying documents. Registration of veterinary accompanying documents in electronic form in the IS Mercury.</p>	<p>Tests, Task (practical assignment), Report, message, Colloquium</p>

3.	<p>GPC-7 - Able to understand the principles of modern information technologies and use them to solve problems of professional activity</p> <p>GPC-7 ID-1 - know modern technical means and information technologies</p> <p>GPC-7 ID-2 - be able to use modern technical means and information technologies, including elements of machine learning and artificial intelligence, to solve analytical and research problems</p> <p>GPC-7 ID-3 - possess the skills to use modern technical means and information technologies to solve analytical and research problems</p>	<p>Veterinary laboratories in the Russian Federation. Functions. Tasks.</p> <p>Laboratories of veterinary and sanitary expertise.</p> <p>Veterinary entrepreneurship. Veterinary management and marketing. Advertising of veterinary goods and services.</p> <p>Licensing of pharmaceutical activities in the field of circulation of medicines for veterinary use.</p> <p>Licensing requirements and conditions. Rules for storing medicines for veterinary use.</p>	Tests Colloquium
4.	<p>PC-11 - Development of an annual plan of antiepidemiological measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures</p> <p>PC-11 ID-1 - be able to collect and analyze information, including veterinary statistics data, necessary for planning preventive antiepidemiological measures, prevention of non-contagious animal diseases, veterinary and sanitary measures</p> <p>PC-11 ID-2 - know the methods of collecting and analyzing information in veterinary planning, including using information databases</p>	<p>Planning of veterinary measures.</p> <p>Planning of diagnostic studies, veterinary-preventive and antiepidemiological measures.</p> <p>The procedure for drawing up a plan of measures for the elimination and prevention of mass non-contagious animal diseases.</p>	Tests, Colloquium
5.	<p>PC-13 - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures</p> <p>PC-13 ID-1 - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine</p>	<p>Management of veterinary affairs in the Russian Federation. Ministry of Agriculture. Department of Veterinary Medicine.</p> <p>Organization of veterinary affairs in the constituent entities of the Russian Federation. Organization of veterinary affairs in the city.</p> <p>Financing of the veterinary service. Financial and economic activity plan of the institution. State assignment, procedure for the provision of state veterinary services.</p> <p>Planning of measures for the elimination of animal diseases. Procedure for drawing up a plan of measures to eliminate infectious animal diseases.</p>	Tests, Task (practical assignment), Report, message, Colloquium

		<p>Veterinary rules for keeping animals.</p> <p>Responsibilities of organizations and citizens - owners of animals and producers of products of animal origin.</p> <p>Veterinary rules for the collection, storage, movement, disposal and destruction of biological waste.</p>	
6.	<p><b>PC-14</b> - Organization of preventive immunizations (vaccinations), therapeutic and prophylactic treatments of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of measures for the prevention of animal diseases in order to improve them</p> <p>PC-14 ID-1 - be able to assess the effectiveness of the preventive measures taken and the methods of their implementation, including using digital technologies</p> <p>PC-14 ID-3 - know the types of antiepidemiological measures and the requirements for their implementation in accordance with methodological guidelines, instructions, instructions, rules for the diagnosis, prevention and treatment of animals</p>	<p>Organization of veterinary affairs in a rural administrative (municipal) district. Station for combating animal diseases and a network of veterinary institutions in the district.</p> <p>Regulatory regulation of the provision of veterinary services.</p> <p>Rules for the provision of paid veterinary services.</p> <p>Rules for drawing up acts for antiepidemiological measures.</p> <p>Economic analysis of the results of veterinary work in the implementation of the system of veterinary measures. Determination of the total economic damage caused by animal diseases. Determination of the economic efficiency of veterinary measures.</p>	<p>Tests, Task (practical assignment), Colloquium</p>
7.	<p><b>PC-19</b> - Able to organize monitoring studies using systems for processing large amounts of data and artificial intelligence in professional activities.</p> <p>PC-19 ID-1 - Know software systems for automatic management of veterinary documentation</p> <p>PC-19 ID-2 - Possess skills in working with large arrays of veterinary documentation</p> <p>PC-19 ID-3 - Possess knowledge in the field of artificial intelligence and data analysis</p>	<p>FGIS "VetIS". Regulatory and legal regulation, goals of creation, structure of components.</p> <p>Working with federal government information systems (FGIS) in the FGIS Emulator.</p> <p>Special information system Horriot. Marking and accounting of animals.</p> <p>Automated system Cerberus. Main purpose, goals of creation.</p> <p>Regionalization of the territory of the Russian Federation.</p> <p>Automated system Argus. Main purpose.</p> <p>Automated system Mercury. Main purpose, goals of creation, subsystems, procedure for obtaining ac-</p>	<p>Tests, Colloquium</p>

		<p>cess, general principles of operation.</p> <p>Automated systems Vesta and Cyrano. Main purpose, goals of creation. Efficiency of the early warning system.</p>	
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## 2. APPROXIMATE LIST OF ASSESSMENT TOOLS

Table 2

No .	Name assessment tool	Brief description of the assessment tool	Presentation of the assessment tool in the fund
1.	Task (practical assignment)	Means of assessing the ability to apply the acquired theoretical knowledge in a practical situation. The task (assignment) should be aimed at assessing those competencies that are subject to development in this discipline, should contain clear instructions for implementation or an algorithm of actions.	Set of tasks and assignments
2.	Test	A system of standardized tasks that allows automating the procedure for measuring the level of knowledge and skills of the student.	Fund of test tasks
3.	Report, message	A product of independent work of a student, which is a public speech on the presentation of the results of solving a specific educational-practical, educational-research or scientific topic.	Topics of reports, messages
4.	Colloquium	A means of monitoring the assimilation of educational material of a topic, section or sections of a discipline, organized as a training session in the form of an interview between a teacher and students.	Questions on topics/sections of the discipline

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

Table 3

Planned results of competency acquired	The level of development				Assessment tool
	Unsatisfactory	Satisfactory	Good	Excellent	
GPC-3 Is able to carry out and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex.					
GPC-3 ID-1 <b>To know</b> the basics of national and international veterinary legislation, specific rules and regulations, governing veterinary activities at the local, national and international levels.	The level of knowledge is below the minimum requirements, gross errors have occurred	The minimum acceptable level of knowledge, many minor errors have been made	The level of knowledge corresponds to the training program, several minor errors have been made	The level of knowledge corresponds to the training program, no errors have been made	Tests, Report, message, Colloquium
GPC-3 ID-2 <b>To be able to find up to-date, relevant and reliable information</b> about veterinary legislation, rules and regulations governing veterinary activities in a particular region and/or country.	Basic skills were not demonstrated in solving standard tasks, and gross errors occurred	Basic skills have been demonstrated, typical problems have been solved with minor errors, all tasks have been completed, but not in full	All the basic skills have been demonstrated, all the main tasks have been solved with minor errors, all the tasks have been completed in full, but some with flaws	All basic skills have been demonstrated, all main tasks have been solved with some minor flaws, all tasks have been completed in full	Tests, Report, message, Colloquium
GPC-3 ID-3 <b>To possess skills of the legal framework and ethical standards</b> in the implementation of professional activities.	When solving standard problems basic skills were not demonstrated, gross errors occurred	There is a minimum set of skills to solve standard tasks with some shortcomings	When solving standard problems basic skills were not demonstrated with some flaws	Skills were demonstrated in solving non-standard tasks without errors and flaws	Tests, Report, message, Colloquium

GPC-5. Is able to draw up special documentation, analyze the results of professional activity and submit accounting documents, using specialized databases.					
GPC-5 ID-1 To know modern software, basic system software products and application software packages; technical means of implementation information processes	The level of knowledge is below the minimum requirements, gross errors have occurred	The minimum acceptable level of knowledge, many minor errors have been made	The level of knowledge corresponds to the training program, several minor errors have been made	The level of knowledge corresponds to the training program, no errors have been made	Tests, Task (practical task), Report, message, Colloquium
GPC-5 ID-2 To be able to apply new information technologies to solve tasks in professional activity, work with specialized information databases.	Basic skills were not demonstrated in solving standard tasks, and gross errors occurred	Basic skills have been demonstrated, typical problems have been solved with minor errors, all tasks have been completed, but not in full	All the basic skills have been demonstrated, all the main tasks have been solved with minor errors, all the tasks have been completed in full, but some with flaws	All basic skills have been demonstrated, all main tasks have been solved with some minor flaws, all tasks have been completed in full	Tests, Task (practical task), Report, message, Colloquium
GPC-5 ID-3 To possess skills of the work with the operating system, text and table processors, database management systems, information search systems on the Internet.	When solving standard problems basic skills were not demonstrated, gross errors occurred	There is a minimum set of skills to solve standard tasks with some shortcomings	When solving standard problems basic skills were not demonstrated with some flaws	Skills were demonstrated in solving non-standard tasks without errors and flaws	Tests, Task (practical task), Report, message, Colloquium
GPC-7. Is able to understand the principles of modern information technologies and use them to solve professional tasks					
GPC-7 ID-1 To know modern technical means and information technologies	Basic skills were not demonstrated in solving standard tasks, and gross errors occurred	Basic skills have been demonstrated, typical problems have been solved with minor errors, all tasks have been completed, but not in full	All the basic skills have been demonstrated, all the main tasks have been solved with minor errors, all the tasks have been completed in full, but some with flaws	All basic skills have been demonstrated, all main tasks have been solved with some minor flaws, all tasks have been completed in full	Tests Colloquium

GPC-7 ID-2 <b>To be able to use modern technical means and information technologies, including elements of machine learning and artificial intelligence to solve analytical and research problems.</b>	The level of knowledge is below the minimum requirements, gross errors have occurred	The minimum acceptable level of knowledge, many minor errors have been made	The level of knowledge corresponds to the training program, several minor errors have been made	The level of knowledge corresponds to the training program, no errors have been made	Tests Colloquium
GPC-7 ID-3 <b>To possess skills to use modern technical means and information technologies to solve analytical and research problems.</b>	Basic skills were not demonstrated when solving standard tasks, and gross errors occurred	There is a minimal set of skills for solving standard tasks with some shortcomings	When solving standard problems basic skills were not demonstrated with some flaws	Skills were demonstrated in solving non-standard tasks without errors and flaws	Tests Colloquium
PC-11. Design of an annual plan of antiepidemiological measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures					
PC-11 ID-1 <b>To be able to collect and analyze information, including veterinary statistics data, necessary for planning preventive antiepidemiological measures, prevention of non-contagious animal diseases, veterinary and sanitary measures</b>	Basic skills were not demonstrated in solving standard tasks, and gross errors occurred	Basic skills have been demonstrated, typical problems have been solved with minor errors, all tasks have been completed, but not in full	All the basic skills have been demonstrated, all the main tasks have been solved with minor errors, all the tasks have been completed in full, but some with flaws	All basic skills have been demonstrated, all main tasks have been solved with some minor flaws, all tasks have been completed in full	Tests Colloquium
PC-11 ID-2 <b>To know the methods of collecting and analyzing information for veterinary planning, using information databases as well.</b>	The level of knowledge is below the minimum requirements, gross errors have occurred	The minimum acceptable level of knowledge, many minor errors have been made	The level of knowledge corresponds to the training program, several minor errors have been made	The level of knowledge corresponds to the training program, no errors have been made	Tests Colloquium

PC-13. Development of the enterprise protection measures from the introduction of infectious and invasive diseases in accordance with the plan of anti-epizootic measures					
PC-13 ID-1 To know the types of measures to ensure veterinary and sanitary safety and the requirements for its implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine	Basic skills were not demonstrated in solving standard tasks, and gross errors occurred	Basic skills have been demonstrated, typical problems have been solved with minor errors, all tasks have been completed, but not in full	All the basic skills have been demonstrated, all the main tasks have been solved with minor errors, all the tasks have been completed in full, but some with flaws	All basic skills have been demonstrated, all main tasks have been solved with some minor flaws, all tasks have been completed in full	Tests, Task (practical task), Colloquium
PC-14. Development of preventive immunization (vaccination), therapeutic and preventive treatments of animals in accordance with the plan of anti-epizootic measures, analysis of the effectiveness of the measures for the prevention of animal diseases and its improvement					
PC-14 ID-1 To be able to evaluate the effectiveness of preventive measures and ways to implement them, using digital technologies as well	Basic skills were not demonstrated in solving standard tasks, and gross errors occurred	Basic skills have been demonstrated, typical problems have been solved with minor errors, all tasks have been completed, but not in full	All the basic skills have been demonstrated, all the main tasks have been solved with minor errors, all the tasks have been completed in full, but some with flaws	All basic skills have been demonstrated, all main tasks have been solved with some minor flaws, all tasks have been completed in full	Tests, Task (practical task), Colloquium
PC-14 ID-3 To know the types of anti-epizootic measures and the requirements for their implementation in accordance with the guidelines, instructions, manuals, rules of diagnosis, prevention and treatment of animals	Basic skills were not demonstrated when solving standard tasks, and gross errors occurred	There is a minimal set of skills for solving standard tasks with some shortcomings	When solving standard problems basic skills were not demonstrated with some flaws	Skills were demonstrated in solving non-standard tasks without errors and flaws	Tests, Task (practical task), Colloquium
<b>PC-19</b> - Able to organize monitoring studies using systems for processing large amounts of data and artificial intelligence in professional activities					
PC-19ID-1 - Know software systems for automatic management of veterinary documentation	Level of knowledge below minimum requirements, gross	Minimum acceptable level of knowledge,	Level of knowledge in volume, corresponding to the	Level of knowledge in volume, corresponding to the	Tests, Colloquium

	errors occurred	many were allowed minor errors	training program, several non-gross errors were made	program preparation, without mistakes	
PC-19ID-2 - Possess skills in working with large arrays of veterinary documentation	In solving Basic skills were not demonstrated in solving standard problems, and there were gross errors	Available Minimum skill set for solving standard tasks with some flaws	Basic skills demonstrated in solving standard problems with some flaws	Demonstrated skills in solving non-standard tasks without errors or shortcomings	Tests, Colloquium
PC-19ID-3 - Possess knowledge in the field of artificial intelligence and data analysis	Level of knowledge below minimum requirements, gross errors occurred	Minimum acceptable level of knowledge, many were allowed minor errors	Level of knowledge in volume, corresponding to the training program, several non-gross errors were made	Level of knowledge in volume, corresponding to the program preparation, without mistakes	Tests, Colloquium

#### 4. A LIST OF CONTROL TASKS AND OTHER MATERIALS NECESSARY FOR ASSESSING KNOWLEDGE, SKILLS, ABILITIES AND EXPERIENCE

##### 4.1. Typical assignments for ongoing performance monitoring

##### 4.1.1. Tasks (practical assignments)

Tasks (practical assignments) for competence assessment: **GPC -5** - Able to draw up special documentation, analyze the results of professional activities and submit reports using specialized databases

GPC-5 ID-1 - be able to apply new information technologies to solve the tasks in their professional activities, work with specialized information databases

GPC-5 ID-2 - possess skills in working with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet

GPC-5 ID-3 - know new information technologies to solve the tasks in their professional activities, work with specialized information databases

###### Practical tasks:

1. Fill in the accounting log according to the form on the provision of medical assistance to a sick animal (by type).
2. Make an entry in the accounting log based on the act on veterinary and sanitary work (disinfection, disinsection, deratization).
3. Fill in the accounting log based on the act on anti-epizootic measures (vaccination, diagnostic studies, therapeutic and prophylactic treatments).
4. Fill in the accounting log on the veterinary and sanitary examination of meat and slaughter (hunting) products of animals.
5. Fill in the accounting log on the veterinary and sanitary examination of milk and dairy products.
6. Fill in the accounting log on the veterinary and sanitary examination of fish, aquatic invertebrates and fish products from them.
7. Fill in the accounting log on the veterinary and sanitary examination of eggs of agricultural birds and egg products.
8. Fill in the accounting log on conducting veterinary and sanitary examination of vegetables, fruits, mushrooms and other crop products.
9. Fill in the accounting log on conducting veterinary and sanitary examination of natural bee honey, bee bread and royal jelly.
10. Complete the information in form 1-vet.
11. Complete the information in form 1-vet-A.
12. Complete the report in form 1-vet-B.
13. Complete the information in form 1-vet-V.
14. Complete the information in form 2-vet.
15. Complete the information in form 3-vet.
16. Complete the information in form 4-vet.
17. Complete the information in form 4-vet-A.
18. Complete the report using form 4-vet-B.
19. Complete the report in form 4-vet-V.
20. Complete the information in form 5-vet.
21. Issue a veterinary certificate of form No. 1 for cattle in the IS Mercury.
22. Issue a veterinary certificate of form No. 1 for small cattle in the IS Mercury.
23. Issue a veterinary certificate of form No. 1 for a horse in the IS Mercury.
24. Issue a veterinary certificate of form No. 1 for pigs in the IS Mercury.
25. Issue a veterinary certificate of form No. 1 for a fertilized egg in the IS Mercury.

26. Issue a veterinary certificate of form No. 1 for a dog in the IS Mercury.
27. Issue a veterinary certificate of form No. 1 for a cat in the IS Mercury.
28. Issue a veterinary certificate of form No. 2 for beef in the IS Mercury.
29. Issue a veterinary certificate form No. 2 for pork in the IS Mercury.
30. Issue a veterinary certificate form No. 2 for mutton in the IS Mercury.
31. Issue a veterinary certificate form No. 2 for poultry meat in the IS Mercury.
32. Issue a veterinary certificate form No. 3 for dog food in the IS Mercury.
33. Issue a veterinary certificate form No. 3 for cat food in the IS Mercury.
34. Issue a veterinary certificate form No. 3 for intestinal raw materials in the IS Mercury.
35. Issue a veterinary certificate form No. 3 for biological waste in the IS Mercury.

Tasks (practical tasks) for assessing competence: **PC-13** - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures

PC-13 ID-1 - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine

Practical tasks:

1. Draw up the structure of the veterinary service in the subject of the Russian Federation (republic).
2. Draw up the structure of the veterinary service in the subject of the Russian Federation (region).
3. Compose the structure of the veterinary service in the subject of the Russian Federation (territory).
4. Draw up the structure of the veterinary service in the subject of the Russian Federation (autonomous district).
5. Draw up the structure of the veterinary service in a city of federal significance.
6. Draw up the structure of the veterinary service in a city - regional center.
7. Draw up the structure of the veterinary service in a city - district center.
8. Draw up a plan for the elimination of anthrax and a draft Decree of the Governor on the imposition of restrictive measures (quarantine).
9. Draw up a plan for the elimination of foot and mouth disease and a draft Decree of the Governor on the imposition of restrictive measures (quarantine).
10. Draw up a plan for the elimination of African swine fever and a draft Decree of the Governor on the imposition of restrictive measures (quarantine).
11. Draw up a plan for the elimination of rabies and a draft Decree of the Governor on the imposition of restrictive measures (quarantine).
12. Draw up a plan for the elimination of listeriosis and a draft Decree of the Governor on the imposition of restrictive measures (quarantine).
13. Draw up a plan for the elimination of leptospirosis and a draft Decree of the Governor on the imposition of restrictive measures (quarantine).
14. Draw up a plan to eliminate glanders and a draft decree of the governor on the imposition of restrictive measures (quarantine).
15. Draw up a plan to eliminate INAN and a draft decree of the governor on the imposition of restrictive measures (quarantine).
16. Draw up a plan to eliminate brucellosis and a draft decree of the governor on the imposition of restrictive measures (quarantine).
17. Draw up a plan to eliminate tuberculosis and a draft decree of the governor on the imposition of restrictive measures (quarantine).
18. Draw up a plan to eliminate leukemia and a draft decree of the governor on the imposition of restrictive measures (quarantine).

19. Draw up a plan to eliminate Aleutian disease of mink and a draft decree of the governor on the imposition of restrictive measures (quarantine).
20. Draw up a plan to eliminate highly pathogenic avian influenza and a draft decree of the governor on the imposition of quarantine.
21. Draw up a plan to eliminate classical swine fever and a draft decree of the governor on the imposition of restrictive measures (quarantine).
22. Draw up a plan to eliminate Newcastle disease and a draft decree of the governor on the imposition of restrictive measures (quarantine).
23. Draw up a plan to eliminate viral hemorrhagic disease of rabbits and a draft decree of the governor on the imposition of restrictive measures (quarantine).

Tasks (practical assignments) for assessing competence: **PC-14** - Organization of preventive immunizations (vaccinations), therapeutic and prophylactic treatments of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of measures for the prevention of animal diseases in order to improve them

PC-14ID-1 - be able to assess the effectiveness of the preventive measures taken and the methods of their implementation, including using digital technologies

PC-14ID-3 - know the types of antiepidemiological measures and the requirements for their implementation in accordance with methodological guidelines, instructions, instructions, rules for the diagnosis, prevention and treatment of animals

#### Practical tasks:

1. Draw up an act for vaccination of dogs against rabies.
2. Draw up an act for vaccination of cattle against anthrax.
3. Draw up an act for vaccination of cattle against foot and mouth disease.
4. Draw up an act for vaccination of cattle against trichophytosis.
5. Draw up an act for vaccination of horses against anthrax.
6. Draw up an act for vaccination of pigs against erysipelas.
7. Draw up an act for vaccination of pigs against classical swine fever.
8. Draw up an act for vaccination of sheep against leptospirosis.
9. Draw up an act for tuberculinization of cattle.
10. Draw up an act for malleinization of horses.
11. Draw up an act for deworming horses (other types of animals).
12. Draw up an act for disinfection of the cattle yard (farm).

#### Tasks:

Task No. 1. African swine fever has been registered on the pig farm. 1200 heads fell ill with African swine fever, 150 of them died, the rest were forced to be killed at the sanitary slaughterhouse of the meat-packing plant, while the cash proceeds amounted to 900,000 rubles. The average live weight of a pig is 80 kg. The selling price of live weight of healthy pigs is 30 rubles per 1 kg. Determine the total economic damage caused by African swine fever.

Task No. 2. Viral gastroenteritis has been registered on the farm. 2000 pigs fell ill. 300 newborn piglets died. The cost of one newborn piglet is 100 rubles. 150 pigs with an average live weight of 70 kg were forcibly slaughtered. The selling price of 1 kg of live weight of healthy animals is 50 rubles, with forced slaughter (sent to the sanitary slaughterhouse of the meat-packing plant) the selling price of 1 kg of live weight was 20 rubles. The average increase in live weight in healthy pigs is 0.4 kg, in sick pigs 0.1 kg. The duration of the enzootic is 30 days. Determine the total economic damage from the disease.

Task No. 3. Endometritis has been registered on the farm. 80 cows fell ill during the year. The average daily milk yield of healthy cows is 12 kg, sick cows - 5 kg of milk. The selling price of 1 kg of milk from healthy animals is 6 rubles, from sick animals - 2 rubles. The average duration of the disease is 12 days. Determine the total economic damage from the disease.

Task No. 4. During the year, 105 cows on the farm fell ill with mastitis. The average daily milk yield of healthy cows is 12 kg, sick cows - 6 kg of milk. The selling price of milk from healthy cows is 500 rubles per centner. Milk from sick cows was sent to the pig farm at a price of 200 rubles per centner. The average duration of the disease is 10 days. Determine the total economic damage from the disease.

Task No. 5. 90 calves older than six months developed gastrointestinal diseases. The duration of the disease is 5 days. 8 calves died. The average daily gain in live weight of healthy calves is 500 g, sick calves - 100 g. The selling price of 1 kg of live weight is 40 rubles. The average live weight of one calf is 100 kg. Determine the total economic damage from the disease.

Task No. 6. 200 cows on the farm fell ill with brucellosis. The milk yield of a healthy cow per day is 10 kg, a sick cow - 7 kg of milk. The cows were on the farm for 50 days. All of them were forcibly killed at the sanitary slaughterhouse. The cash proceeds amounted to 800,000 rubles. The average live weight of a cow is 500 kg, the selling price of 1 centner of live weight is 3000 rubles, 1 centner of milk is 600 rubles. Determine the total economic damage from the disease.

Task No. 7. In the nursery for breeding German Shepherds, 9 puppies of 2 months of age fell ill with parvovirus enteritis. The dogs were treated. The cost of treatment of sick puppies amounted to 1050 rubles. One puppy died. The market price of a dog of this breed is 6000 rubles. Potential lethality - 30%. Determine the economic efficiency of therapeutic measures per 1 ruble of costs.

Task No. 8. During the reporting period, 400 dogs in the city became ill with leptospirosis, of which 5 died. The market price of dogs of this breed is 12,000 rubles. The cost of treating sick dogs amounted to 50,000 rubles. Potential mortality - 20%. Determine the economic efficiency of therapeutic measures per 1 ruble of costs.

Task No. 9. 30 calves (older than 6 months) suffering from bronchopneumonia were treated, 1 calf died. The hide was sold for 1200 rubles. Treatment costs amounted to 1400 rubles. The average live weight of the calf is 150 kg. The selling price of 1 kg of live weight is 40 rubles. Mortality rate for bronchopneumonia is 15%. Determine the economic efficiency of therapeutic measures per 1 ruble of costs.

Task No. 10. During the reporting period, 300 cats in the city became ill with bronchopneumonia, of which 10 died. The market price of cats of this breed is 13,000 rubles. The cost of treating sick cats amounted to 65,000 rubles. Potential mortality rate - 20%. Determine the economic efficiency of therapeutic measures per 1 ruble of costs.

Task No. 11. During the reporting period, 200 cats in the city became ill with calicivirus, of which 10 died. The market price of cats of this breed is 12,000 rubles. The cost of treating sick cats amounted to 45,000 rubles. Potential mortality rate - 20%. Determine the economic efficiency of therapeutic measures per 1 ruble of costs.

Task No. 12. 35 calves suffering from dyspepsia were treated using the first method. The damage amounted to 8000 rubles. Treatment costs - 5100 rubles. Another 35 calves were treated using the second method and spent 7000 rubles. The damage in this group amounted to 10,000 rubles. The cost of one calf is 15,000 rubles. Potential mortality rate - 32%. Determine the economic efficiency per 1 ruble of costs for each treatment method.

Task No. 13. The farm is unfavorable for brucellosis. Livestock of 3000 heads of cattle. Brucellosis caused damage in the amount of 7,000,000 rubles. Costs for measures to improve the farm - 3,000,000 rubles. The selling price of 1 kg of milk is 40 rubles. Kp - 0.675 tons of milk. Morbidity - 48%. Determine the economic efficiency of health measures per 1 ruble of costs.

Task No. 14. The farm has 4500 heads of cattle. As a result of animals suffering from foot and mouth disease, damage was caused in the amount of 1,100,000 rubles. The cost of eliminating foot and mouth disease amounted to 800,000 rubles. Foot and mouth disease incidence - 91%. Kp - 0.113 tons of milk per sick animal. The selling price of 1 kg of milk is 50 rubles. Determine the economic efficiency of health measures per 1 ruble of costs.

Task No. 15. Aleutian disease was registered on a fur farm with a population of 8000 minks. Morbidity - 10%. Ku - 15000 rubles. During preventive measures, 60 patients were identified and killed. The cost of one skin from healthy animals is 13,000 rubles, from sick animals - 7,000 rubles. The cost of veterinary measures amounted to 400,000 rubles. Determine the economic efficiency of health measures per 1 ruble of costs.

Task No. 16. In a farm with a population of 4300 pigs, ascariasis caused damage in the amount of 255,000 rubles. The cost of liquidation amounted to 190,000 rubles. Morbidity - 47%. Kp - 7.5 kg of meat per sick animal, the selling price of 1 kg of meat is 400 rubles. Determine the economic efficiency of health measures per 1 ruble of costs.

Task No. 17. At the poultry farm there are 200,000 chickens. Coccidiosis was registered, 3000 chickens became ill; 350 died, 2650 were forcibly killed, the average live weight of a chicken is 2.5 kg. The selling price of 1 kg of healthy poultry is 50 rubles, sick poultry - 25 rubles. Veterinary costs - 150,000 rubles. Morbidity in coccidiosis - 11%, Ku - 90 rubles. Determine the economic efficiency of health measures per 1 ruble of costs.

Problem No. 18. There were 1000 pigs in the department of the farm, and as a result of their disease with plague and death, damage was caused in the amount of 250,000 rubles. The cost of eliminating African swine fever is 100,000 rubles. Morbidity - 80%, Kp - 21.3 kg of meat per animal, the selling price of 1 kg of meat - 130 rubles. Determine the economic efficiency of health measures per 1 ruble of costs.

Task No. 19. There are 4000 heads of cattle in the farm. As a result of the disease of animals with foot and mouth disease, damage was caused in the amount of 1,300,000 rubles. The cost of eliminating foot and mouth disease amounted to 900,000 rubles. The incidence of foot and mouth disease is 91%, Kp - 0.113 tons of milk per sick animal. The selling price of 1 kg of milk is 40 rubles. Determine the economic efficiency of health-improving measures per 1 ruble of costs.

Task No. 20. In a farm with a livestock of 3800 pigs, ascariasis caused damage in the amount of 105,000 rubles. The cost of liquidation amounted to 60,000 rubles. Morbidity - 47%. Kp - 7.5 kg of meat per one sick animal. The selling price of 1 kg of meat is 190 rubles. Determine the economic efficiency of health-improving measures per 1 ruble of costs.

#### **4.1.2. Topics of the report, message**

Topics of the report for competence assessment: **PC-13** - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures

PC-13 ID-1 - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine

1. Organization of the implementation of veterinary rules in poultry farms of a closed type (at a poultry farm).
2. Organization of the implementation of veterinary rules in private households of citizens and in poultry farms of an open type.
3. Organization of the implementation of veterinary rules in the animal breeding farm.
4. Organization of the implementation of veterinary rules at processing enterprises.
5. Organization of the implementation of veterinary rules in the circus.
6. Organization of the implementation of veterinary rules in the zoo.
7. Organization of the implementation of veterinary rules in an agricultural enterprise for keeping cattle.
8. Organization of the implementation of veterinary rules in an agricultural enterprise for keeping small cattle (sheep).
9. Organization of the implementation of veterinary rules in an agricultural enterprise for keeping small cattle (goats).

10. Organization of the implementation of veterinary rules in an agricultural enterprise for keeping pigs.
11. Organization of the implementation of veterinary rules in an apicultural farm.
12. Organization of the implementation of veterinary rules in a rabbit farm.
13. Organization of the implementation of veterinary rules in a fish farm.
14. Organization of the implementation of veterinary rules on stud horse farms.
15. Organization of the implementation of veterinary rules in equestrian sports clubs.
16. Organization of the implementation of veterinary rules at horse factories.
17. Organization of the implementation of veterinary rules for the movement, storage, processing and disposal of biological waste.
18. Organization of the implementation of veterinary and sanitary rules for dairy farms.
19. Organization of the implementation of veterinary rules in service dog breeding kennels.
20. Organization of the implementation of veterinary rules for reindeer farms.
21. Organization of the implementation of veterinary rules in peasant farms (KFH) for breeding cattle.
22. Organization of the implementation of veterinary rules in peasant farms (KFH) for breeding small cattle.
23. Organization of the implementation of veterinary rules in peasant farms (KFH) for pig breeding.

Topics of the report for competence assessment: **GPC-5** Able to draw up special documentation, analyze the results of professional activity and submit reporting documents using specialized databases

GPC-5 ID-1 - be able to apply new information technologies to solve the tasks in their professional activities, work with specialized information databases

GPC-5 ID-2 - possess skills in working with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet

GPC-5 ID-3 - know new information technologies to solve the tasks in their professional activities, work with specialized information databases

1. Organization of veterinary record keeping (veterinary accounting, reporting) at the regional station for combating animal diseases.
2. Organization of veterinary record keeping (veterinary accounting, reporting) at the city station for combating animal diseases.
3. Organization of veterinary record keeping (veterinary accounting, reporting) at the district station for combating animal diseases.
4. Organization of veterinary record keeping (veterinary accounting, reporting) in the territorial departments of Rosselkhoznadzor.
5. Organization of veterinary record keeping (veterinary accounting, reporting) in the Federal Service for Veterinary and Phytosanitary Supervision (control veterinary points at the border).
6. Organization of veterinary record keeping (veterinary accounting, reporting) in the Federal Service for Veterinary and Phytosanitary Supervision (control veterinary points on transport).
7. Organization of veterinary record keeping (veterinary accounting, reporting) in the regional veterinary laboratory.
8. Organization of veterinary record keeping (veterinary accounting, reporting) in the city veterinary laboratory.
9. Organization of veterinary record keeping (veterinary accounting, reporting) in the district veterinary laboratory.
10. Use of computer programs for veterinary accounting and reporting in veterinary institutions (SBBZH, UVL).

11. Use of computer programs for veterinary accounting and reporting in veterinary clinics.
12. Use of computer programs for veterinary accounting and reporting in veterinary institutions (veterinary laboratories).
13. Use of computer programs for veterinary accounting and reporting in federal state veterinary institutions.
14. Using the VetAIS program for veterinary accounting and reporting.
15. Using the E-Note program for veterinary accounting and reporting.
16. Organization of veterinary record keeping (veterinary accounting, reporting) in the district veterinary clinic.
17. Organization of veterinary record keeping (veterinary accounting, reporting) at the veterinary station.
18. Organization of veterinary record keeping (veterinary accounting, reporting) at the veterinary point.
19. Organization of veterinary record keeping (veterinary accounting, reporting) in the veterinary and sanitary examination laboratory at the market.
20. Organization of veterinary record keeping (veterinary accounting, reporting) in the departmental veterinary and sanitary service (kennels of service dog breeding).

### 4.1.3. Tests

Tests for competence assessment: **GPC-3** - Able to carry out and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex

GPC-3 ID-1 - know the basics of national and international veterinary legislation, legislation on digital technologies in the field of agro-industrial complex, specific rules and regulations governing veterinary activities at the local, national and international levels

GPC-3 ID-2 - be able to find modern, up-to-date and reliable information on veterinary legislation, including the use of digital technologies, rules and regulations governing veterinary activities in a particular region and/or country

GPC-3 ID-3 - to possess the regulatory legal framework and ethical standards in the implementation of professional activities

#### CLOSED-TYPE TASKS

**Combined type tasks with the selection of one correct answer from the proposed options**

**Task 1.**

*Read the text and choose the correct answer.*

Which body is responsible for the management of veterinary affairs in the Russian Federation:

1. Ministry of Agriculture
2. Veterinary Department
3. Animal Disease Control Station
4. Rosselkhoz nadzor

Answer: 1

**Task 2.**

*Read the text and choose the correct answer.*

Which federal executive body is responsible for supervision in the field of veterinary medicine?

1. Ministry of Agriculture of Russia
2. Department of Veterinary Medicine of the Ministry of Agriculture of the Russian Federation
3. Veterinary Management

4. Rosselkhoznadzor

Answer: 4

**Task 3.**

*Read the text and choose the correct answer.*

What type of veterinary service is organized by the head of a livestock farm?

1. State regional veterinary service
2. Departmental veterinary and sanitary service
3. Production veterinary service
4. Federal state veterinary service

Answer: 3

**Task 4.**

*Read the text and choose the correct answer.*

What service is created by the Federal Executive Authority in the field of defense.

1. Production veterinary service
2. Departmental veterinary and sanitary service
3. Private veterinary service

Answer: 2

**Task 5.**

*Read the text and choose the correct answer.*

The State Veterinary Service performs a number of tasks. Which of the following is included in the tasks of the State Veterinary Service of the Russian Federation:

1. Prevention and elimination of infectious and mass non-infectious diseases of animals
2. Control of the production of preparations and technical means for veterinary purposes
3. Implementation of federal state veterinary control (supervision)

Answer: 1

**Closed-type tasks for establishing compliance**

**Task 6.**

*Read the text and establish the correspondence.*

Establish the correspondence between the type of veterinary service from the left column and the example from the right, matching the letter and number from the table.

Type of service		Example	
A	State Veterinary Service of the Subject	1	Territorial Administration of the Rosselkhoznadzor (Federal Service for Veterinary and Phytosanitary Surveillance)
B	State Veterinary Service of the Federal Level (RSN)	2	Veterinarian at a livestock facility
C	Production Veterinary Service	3	Station for Combating Animal Diseases (SBBZH)

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-3; B-1; C-2.

**Task 7.**

*Read the text and establish the correspondence.*

Match the state institution and its function: for each position of the first column, select the corresponding position from the second column.

Institution		Function	
A	Ministry of Agriculture of the Russian Federation	1	Development of regulatory legal acts in the field of veterinary medicine
B	Station for Combating Animal Diseases	2	Implementation of state control (supervision)
C	Rosselkhoznadzor (Federal Service for Veterinary and Phytosanitary Surveillance)	3	Execution of veterinary measures

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-1; B-3; C-2.

**Task 8.**

*Read the text and establish the correspondence.*

Read the data in the table below. Determine which of the documents on the left contain the information indicated on the right: for each position in the first column, select a position from the second column.

Document		Content	
A	Law on Veterinary Medicine	1	Requirements for keeping animals
B	Veterinary rules	2	Tasks of the State Veterinary Service
C	Technical Regulations	3	Safety requirements for milk and dairy products

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-2; B-1; C-3.

**Task 9.**

*Read the text and establish the correspondence.*

Veterinary specialists of veterinary institutions draw up administrative, organizational and information-reference documents. Read the data presented in the table below. Determine which of the documents on the left contain the information indicated on the right.

For each position in the first column, select a position from the second column.

Document		Content	
A	Order	1	a document intended for the regulatory and legal regulation of the activities of an institution (organization) or its structural unit
B	Contract	2	A legal act issued by the head of the organization, deputy heads of the organization, and other officials in accordance with the powers granted to them in order to resolve operational issues of the institution.
C	Regulation	3	A legal, multifunctional document regulating economic or other relations of economic entities.

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-2; B-3; C-1.

**Task 10.**

*Read the text and establish the correspondence.*

Veterinary specialists of veterinary institutions draw up administrative, organizational, and information-reference documents. Read the names of the documents in the table below. For each position in the first column, select a position from the second column.

Document		Content	
A	Memorandum	1	A legal act issued solely by the head of the institution in order to resolve issues of the organization's core activities.
B	Charter	2	a document addressed to a superior manager containing a statement of an issue requiring resolution, with the compiler's conclusions and proposals
C	Order	3	Legal act defining the procedure for the formation, competence of the organization, its functions, tasks, procedure for work

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-2; B-3; C-1.

**Closed-ended tasks for establishing sequence**

**Task 11.**

*Read the text and establish the sequence.*

Arrange the sections of the Law on Veterinary Medicine listed below in the correct sequence. Write down the numbers by which they are indicated in the correct sequence.

1. State Veterinary Service of the Russian Federation
2. Concluding provisions
3. General provisions
4. International treaties

Answer: 3; 1; 4; 2.

**Task 12.**

*Read the text and establish the sequence.*

Arrange the following bodies (institutions) that are part of the state veterinary service of the Russian Federation in the correct sequence in accordance with the Law of the Russian Federation "On Veterinary Medicine" (Article 5. Organization of the State Veterinary Service of the Russian Federation). Write down the numbers by which they are indicated in the correct sequence. The state veterinary service system includes:

1. in the subjects of the Russian Federation - authorized bodies of executive power of the subjects of the Russian Federation in the field of veterinary medicine and organizations subordinate to them
2. federal executive body in the field of veterinary supervision and its subordinate territorial bodies and organizations

3. federal executive body in the field of regulatory and legal regulation in veterinary medicine

4. veterinary (veterinary and sanitary) services of federal executive bodies in the field of defense, in the field of internal affairs, in the field of activity of the National Guard troops of the Russian Federation, in the field of execution of punishments, in the field of state protection and in the field of security and organizations subordinate to them

Answer: 3; 2; 4; 1.

### **Task 13.**

*Read the text and establish the sequence.*

Arrange the following articles from Section I "General Provisions" of the Law of the Russian Federation "On Veterinary Medicine" in the correct sequence. Write down the numbers by which they are indicated in the correct sequence.

1. Federal State Information System in the Field of Veterinary Medicine
2. Veterinary medicine in the Russian Federation
3. Specialists in the field of veterinary medicine

Answer: 2; 3; 1.

### **Task 14.**

*Read the text and establish the sequence.*

Arrange the tasks of the state veterinary service listed below in the correct sequence in accordance with Article 5 of the Law of the Russian Federation "On Veterinary Medicine"

Write down the numbers by which they are indicated below in the correct sequence.

1. protection of the territory of the Russian Federation from the introduction of infectious animal diseases from foreign countries
2. protecting the population from diseases common to humans and animals
3. prevention and elimination of infectious and mass non-infectious animal diseases
4. ensuring the safety of animal products in veterinary and sanitary terms

Answer: 3; 4; 2; 1.

### **Task 15.**

*Read the text and establish the sequence.*

Arrange the following institutions that are part of the state veterinary service system of the region of the Russian Federation in the correct order according to their subordination from bottom to top.

1. District station for disease control
2. Veterinary station
3. Department of Veterinary Medicine of the region
4. Regional station for animal disease control

Answer: 2; 1; 4; 3.

## **OPEN-ENDED TASK**

### **Task 16.**

*Read the text and write a detailed and reasoned answer.*

What are the powers of a subject of the Russian Federation in the field according to the Law of the Russian Federation "On Veterinary Medicine" - give a detailed answer.

Answer: The powers of a subject of the Russian Federation in the field of veterinary medicine include:

participation in the implementation of federal events on the territory of the subject of the Russian Federation;

organization of measures to prevent and eliminate animal diseases and their treatment on the territory of the subject of the Russian Federation;  
protection of the population from diseases common to humans and animals, with the exception of issues that are assigned to the jurisdiction of the Russian Federation;  
registration of specialists in the field of veterinary medicine who are not authorized persons of bodies and organizations that are part of the State Veterinary Service of the Russian Federation and are engaged in entrepreneurial activities in the field of veterinary medicine.

**Task 17.**

*Read the text and write a detailed and reasoned answer.*

List the main tasks of veterinary medicine, according to the Law of the Russian Federation "On Veterinary Medicine." Give a complete answer.

Answer: implementation of measures to prevent and eliminate infectious and other (according to the list approved by the federal executive body in the field of regulatory legal regulation in veterinary medicine) animal diseases, including agricultural, domestic, zoo and other animals, fur animals, birds, fish and bees, and the implementation of regional plans for veterinary services for animal husbandry. Training of specialists in the field of veterinary medicine, production of preparations and technical means for veterinary purposes, organization of scientific research on veterinary problems, as well as the implementation of federal state veterinary control (supervision).

**Task 18.**

*Read the text and write a detailed and reasoned answer.*

What bodies carry out tasks in the field of veterinary medicine (according to the Law of the Russian Federation "On Veterinary Medicine"). Give a complete answer. Tasks in the field of veterinary medicine in the Russian Federation are carried out by:

Answer: the federal executive body in the field of regulatory legal regulation in veterinary medicine, the federal executive body that performs the functions of control and supervision in veterinary medicine and other assigned areas of activity and its subordinate territorial bodies and organizations, as well as veterinary (veterinary and sanitary) services of the federal executive bodies that perform the functions of developing and implementing state policy, regulatory legal regulation in the field of defense, in the field of internal affairs, in the field of activity of the National Guard troops of the Russian Federation, in the field of weapons trafficking, in the field of private security activities and in the field of departmental security, in the field of execution of criminal penalties, in the field of state security and in the field of ensuring the security of the Russian Federation, executive bodies of the constituent entities of the Russian Federation in the field of veterinary medicine and their subordinate organizations, the federal executive body authorized in the field of customs affairs, and specialists in the field of veterinary medicine.

**Task 19.**

*Read the text and give a detailed reasoned answer*

The State Veterinary Service of the Russian Federation performs a number of tasks. What tasks does the state veterinary service perform, according to the Law of the Russian Federation "On Veterinary Medicine"? Give a complete answer.

Answer: prevention and elimination of infectious and mass non-infectious animal diseases; ensuring the safety of products of animal origin in veterinary terms; protecting the population from diseases common to humans and animals; protecting the territory of the Russian Federation from the introduction of infectious animal diseases from foreign countries.

**Task 20.**

*Read the text and write a detailed and reasoned answer.*

The Law of the Russian Federation "On Veterinary Medicine" indicates who can be specialists in the field of veterinary medicine. Give a complete answer.

Answer: Specialists in the field of veterinary medicine are individuals with higher or secondary veterinary education.

Tests for assessing competence: **GPC -5** - Able to draw up special documentation, analyze the results of professional activity and submit reporting documents using specialized databases

GPC-5 ID-1 - be able to apply new information technologies to solve tasks in their professional activities, work with specialized information databases

GPC-5 ID-2 - possess skills in working with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet

GPC-5 ID-3 - know new information technologies to solve the tasks in their professional activities, work with specialized information databases

### **CLOSED-TYPE TASKS**

#### **Combined type tasks with the selection of one correct answer from the proposed options**

##### **Task 1.**

*Read the text and choose the correct answer.*

Veterinary accounting documents include:

1. information about infectious animal diseases
2. plan of preventive and antiepidemiological measures
3. journal for recording antiepidemiological measures
4. acts

Answer: 3

##### **Task 2.**

*Read the text and choose the correct answer.*

Controlled goods are subject to veterinary accompanying documents (VSD) during their movement. Which of the documents below are related to VSD?

1. agreements on the provision of veterinary services
2. veterinary certificates, veterinary passports
3. veterinary passports, veterinary certificates
4. veterinary certificates, veterinary certificates, veterinary certificates

Answer: 4

##### **Task 3.**

*Read the text and choose the correct answer.*

In accordance with the Regulations for the provision of information to the state information support system in the field of agriculture, approved by Order of the Ministry of Agriculture of the Russian Federation, veterinary specialists of state and production veterinary services provide data on animal diseases and mortality, diagnostic studies, preventive, therapeutic and other veterinary measures. In what form is information submitted on the implementation of measures to prevent infectious diseases of agricultural and other animals?

1. Form 2-vet "Information on non-contagious animal diseases"
2. Form 1-vet-A "Information on antiepidemiological measures"
3. Form 4-vet "Information on the work of veterinary laboratories"
4. Form 5-vet "Information on veterinary and sanitary examination of raw materials and products of animal origin"

Answer: 2

**Task 4.**

*Read the text and choose the correct answer.*

In accordance with the Regulations for the provision of information to the state information support system in the field of agriculture, approved by Order of the Ministry of Agriculture of the Russian Federation, veterinary specialists of veterinary and sanitary examination laboratories (VSLE) provide data in form 5-vet "Information on veterinary and sanitary examination of raw materials and products of animal origin". What section of the content part is filled in by VSLE specialists.

1. results of ante-mortem inspection of animals and veterinary and sanitary examination of meat, fish and other aquatic organisms in farms
2. results of ante-mortem inspection of animals and veterinary and sanitary examination of meat and meat products at slaughter and meat processing plants, fish and aquatic organisms at cold storage plants
3. results of veterinary and sanitary examination of meat and meat products in markets

Answer: 3

**Task 5.**

*Read the text and choose the correct answer.*

Who is responsible for the correctness, completeness, and reliability of the information included in veterinary accounting and reporting documents in a veterinary laboratory?

1. chief accountant of the institution
2. head of the personnel department of the institution
3. director of the veterinary laboratory
4. veterinary and sanitary expert

Answer: 3

**Closed-type tasks for establishing compliance**

**Task 6.**

*Read the text and establish the correspondence.*

Veterinary accompanying documents (VSD) are issued for various controlled goods. The table below shows the forms of VSD and examples of controlled goods.

For each item given in the left column, select the corresponding item from the right column.

VSD form		Example of goods	
A	Veterinary certificate form No. 1	1	Casein, technical gelatin
B	Veterinary certificate form No. 2	2	Parrot
C	Veterinary certificate form No. 3	3	Any controlled goods
D	Veterinary certificate form No. 4	4	Natural honey

Write the selected numbers under the corresponding letters:

A	B	C	D

Answer: A-2; B-4; C-1; D-3.

**Task 7.**

*Read the text and establish the correspondence.*

Veterinary accompanying documents (VSD) are issued for various controlled goods. The table below shows the forms of VSD and examples of controlled goods.

For each item given in the left column, select the corresponding item from the right column.

VSD form		Example of goods	
A	Veterinary certificate form No. 1	1	There is no such thing as VSD
B	Veterinary certificate form No. 2	2	Milk
C	Veterinary certificate form No. 3	3	Hides
D	Veterinary certificate form No. 4	4	Calf

Write down the selected numbers under the corresponding letters:

A	B	C	D

Answer: A-4; B-2; C-3; D-1.

### Task 8.

*Read the text and establish the correspondence.*

In accordance with the Regulations for the provision of information to the state information support system in the field of agriculture, approved by Order of the Ministry of Agriculture of the Russian Federation, veterinary specialists in the field of veterinary medicine provide various data on veterinary measures in approved forms of information (reports).

Match the forms of information and what information they contain in the table below. For each item given in the left column, select the corresponding item from the right column.

Information form		Information	
A	Form 1-vet-A "Information on anti-epizootic measures"	1	on disadvantaged points and infected objects
B	Form 4-vet "Information on the work of veterinary laboratories"	2	on diagnostic studies and preventive treatments of animals performed
C	Form 1-vet "Information on infectious animal diseases"	3	on conducted microbiological, serological, parasitological and other types of research

Write down the selected numbers under the corresponding letters:

A	B	C

Answer: A-2; B-3; C-1.

### Task 9.

*Read the text and establish the correspondence.*

In accordance with the Regulations for the provision of information to the state information support system in the field of agriculture, approved by Order of the Ministry of Agriculture of the Russian Federation, veterinary specialists in the field of veterinary medicine provide various data on veterinary measures in approved forms of information (reports).

Match the forms of information and what information they contain in the table below.

For each item given in the left column, select the corresponding item from the right column.

Information form		Information	
A	Form 1-vet-A "Information on anti-epizootic measures"	1	on diseases and death of animals
B	Form 4-vet "Information on the	2	on the implementation of measures to pre-

	work of veterinary laboratories"		vent infectious diseases of agricultural and other animals
C	Form 1-vet "Information on infectious animal diseases"	3	on conducted bacteriological, virological, serological, histological and other types of research

Write down the selected numbers under the corresponding letters:

A	B	C

Answer: A-2; B-3; C-1.

**Task 10.**

*Read the text and establish the correspondence.*

Veterinary accompanying documents (VSD) are issued for various controlled goods. The table below shows the forms of VSD and examples of controlled goods.

For each item given in the left column, select the corresponding item from the right column.

VSD form		Example of goods	
A	Veterinary certificate form No. 2	1	Horse
B	Veterinary certificate form No. 3	2	Sausage products
C	Veterinary certificate form No. 1	3	Animal corpses

Write down the selected numbers under the corresponding letters:

A	B	C

Answer: A-2; B-3; C-1.

**Closed-ended tasks for establishing sequence**

**Task 11.**

*Read the text and establish the sequence.*

In the document "Procedure for issuing veterinary accompanying documents in electronic form" (Appendix No. 2 to Order of the Ministry of Agriculture of Russia No. 862 dated December 13, 2022) there are a number of sections. Write down the numbers by which they are indicated below, in the correct sequence according to the document.

1. Registration of transport VSD and VSD upon transfer of ownership of a controlled product without its movement

2. Completion of VSD registration

3. General provisions

Answer: 3; 1; 2.

**Task 12.**

*Read the text and establish the sequence.*

When issuing veterinary accompanying documents (VSD) in electronic form to accompany a controlled product, there are several stages. Write down the numbers by which they are indicated, in the correct sequence of the "life" of the VSD.

1. Creating a document in "Mercury"

2. Extinguishing the document

3. Status "Valid"

Answer: 1; 3; 2.

**Task 13.**

*Read the text and establish the sequence.*

The procedure for transferring affairs from a resigning chief veterinarian of the farm to a newly appointed chief veterinarian takes place in several stages. Write down the numbers by which they are indicated in the correct sequence of actions when transferring affairs.

1. Drawing up and signing an act of acceptance and transfer of affairs
  2. Issuing an Order on the transfer of affairs
  3. Acceptance - transfer of documents and material assets from the former specialist to the new specialist
  4. Familiarization of the new specialist with the order on the transfer of affairs
- Answer: 2; 4; 3; 1.

**Task 14.**

*Read the text and establish the sequence.*

In veterinary institutions, the inventory of property and the formalization of its results are carried out in several stages.

Write down the numbers by which they are indicated in the correct sequence of actions during the inventory.

1. summarizing the results of the inventory
  2. obtaining a receipt from the financially responsible person
  3. order (instruction) of the head of the organization on the establishment of an inventory commission
  4. verification and documentary confirmation of the availability, condition and valuation of property (tangible assets)
- Answer: 3; 2; 4; 1.

**Task 15.**

*Read the text and establish the sequence.*

Veterinary specialists of veterinary and sanitary examination laboratories (VSSEL) provide data in form 5-vet "Information on veterinary and sanitary examination of raw materials and products of animal origin" in accordance with the Regulations for providing information to the state information support system in agriculture, approved by the Order of the Ministry of Agriculture of the Russian Federation. This form has 4 sections of the content part.

Write down the numbers by which they are indicated below in the correct sequence according to the document.

1. results of veterinary and sanitary examination of other food products in markets
  2. results of ante-mortem inspection of animals and veterinary and sanitary examination of meat, fish and other aquatic organisms in farms
  3. results of ante-mortem inspection of animals and veterinary and sanitary examination of meat and meat products at slaughter and meat processing plants, fish and aquatic organisms at cold storage plants
  4. Results of veterinary and sanitary examination of meat and meat products in markets
- Answer: 2; 3; 4; 1.

**OPEN-ENDED TASK****Task 16.**

*Read the text and write a detailed and reasoned answer.*

Controlled goods are subject to veterinary accompanying documents during their movement. Name these documents.

Answer: Veterinary certificates of the Customs Union, Veterinary certificates of form No. 5 from a to l, veterinary certificates of form No. 1, No. 2, No. 3, veterinary certificate of form No. 4.

#### **Task 17.**

*Read the text and write a detailed and reasoned answer.*

The Federal State Information System in the field of veterinary medicine (FSIS VetIS) is an integrated information environment, which includes various components (special information systems). What is the VetIS component "Mercury"? What functions does it perform and what is it used for? Give a detailed answer.

Answer: The "Mercury" component is designed to register the results of veterinary and sanitary examination of controlled goods and issue veterinary accompanying documents in electronic form, save and process information about them.

Objectives:

- Creating a unified information environment for veterinary medicine, improving biological and food safety.
- Electronic veterinary certification of cargoes under state veterinary supervision, reducing the time for processing veterinary accompanying documentation by automating this process.
- The ability to track the path of movement of a consignment of cargo through the territory of the Russian Federation, taking into account its fragmentation.
- Automatic accounting of incoming and outgoing product volume at the enterprise (refrigerator, warehouse, MPP, etc.).
- Input and storage of information about selected samples for research of imported products.
- Reducing labor, material and financial costs for issuing VSDs by replacing protected paper forms of VSDs with electronic versions.
- Minimizing human errors, thanks to the availability of ready-made forms for entering information, as well as checking the data entered by the user.
- Creating a single centralized database for quick access to up-to-date information, for generating reports, searching and analyzing information.

#### **Task 18.**

*Read the text and write a detailed and reasoned answer.*

The procedure for transferring cases from the resigning chief veterinarian of the institution (farm) to the newly appointed chief veterinarian takes place in several stages. The first stage is the issuance of an Order of the head of the institution (farm) on the transfer of cases. Give a detailed answer what information is contained in this order.

Answer: the order on the transfer of cases should indicate:

- the reason for the transfer of cases (for example, the dismissal of the chief veterinarian)
- the timing of the transfer of cases and the period for which the transfer of cases is carried out
- the person responsible for the transfer of cases (surname, name, patronymic of the resigning veterinarian) and for the acceptance of cases (surname, name, patronymic of the new chief veterinarian);
- the composition of the commission and the chairman of the commission for the transfer of cases (head of the organization, chief accountant, or veterinarians of structural divisions).

#### **Task 19.**

*Read the text and write a detailed and reasoned answer.*

What is the purpose of the document "Veterinary rules for regionalization of the territory of the Russian Federation"? Give a detailed answer.

Answer: The Veterinary Rules for Regionalization of the Territory of the Russian Federation establish the procedure for regionalization of the territory of the Russian Federation, including a list of infectious animal diseases for which this regionalization is carried out, the procedure and features of keeping animals, moving controlled goods across the territory of the Russian Federation in accordance with this regionalization, a list and procedure for carrying out the necessary additional anti-epizootic measures, the procedure for informing individuals and legal entities, state authorities and local governments about measures for regionalization of the territory of the Russian Federation, the procedure for compiling, updating and publishing data and maps of regionalization of the territory of the Russian Federation.

**Task 20.**

*Read the text and write a detailed and reasoned answer.*

Inventory of property is a reconciliation of the actual availability of tangible assets with the data of the inventory statement (inventory).

Give a detailed answer when it is necessary to conduct an inventory of property.

Answer: The organization is obliged to conduct an inventory in each of the following cases: before the preparation of annual accounting statements; when changing financially responsible persons; when detecting facts of theft or damage to property; in the event of a natural disaster, fire or other emergency situations; upon liquidation or reorganization of the organization.

Tests for competence assessment: **GPC -7** - Able to understand the principles of operation of modern information technologies and use them to solve problems of professional activity  
GPC-7 ID-1 - know modern technical means and information technologies  
GPC-7 ID-2 - be able to use modern technical means and information technologies, including elements of machine learning and artificial intelligence, to solve analytical and research problems  
GPC-7 ID-3 - possess the skills to use modern technical means and information technologies to solve analytical and research problems

### **CLOSED-TYPE TASKS**

#### **Combined type tasks with the selection of one correct answer from the proposed options**

**Task 1.**

*Read the text and choose the correct answer.*

Entrepreneurial activity is an independent activity carried out at one's own risk, aimed at systematically making a profit from the sale of goods, performance of work or provision of services. Who has the right to engage in veterinary entrepreneurial activity?

1. persons with higher and secondary specialized education
2. persons who have registered for tax accounting
3. persons with practical experience

Answer: 1

**Task 2.**

*Read the text and choose the correct answer.*

What legislative document of the Russian Federation defines the entrepreneurial activity of legal entities and individuals?

1. Code of the Russian Federation on Administrative Offenses
2. Civil Code of the Russian Federation
3. Federal Law «On Limited Liability Companies»

Answer: 2

**Task 3.**

*Read the text and choose the correct answer.*

Licensing of pharmaceutical activity in the sphere of circulation of medicines for veterinary use - is obtaining a special permit (license) for the right to carry out a specific type of activity by a legal entity or individual entrepreneur. Who issues the license?

1. Veterinary Department of the subject
2. Ministry of Agriculture
3. Federal Service for Veterinary and Phytosanitary Supervision

Answer: 3

**Task 4.**

*Read the text and choose the correct answer.*

Licensing of pharmaceutical activity in the sphere of circulation of medicines for veterinary use - is obtaining a special permit (license) for the right to carry out a specific type of activity by a legal entity or individual entrepreneur, execution of a document confirming the existence of a license, suspension or termination of the license for violation of license requirements and conditions or renewal of its validity. What type of activity does the Central Office of Rosselkhoznadzor license?

1. production of medicines
2. retail trade in medicines
3. storage of veterinary drugs

Answer: 1

**Task 5.**

*Read the text and choose the correct answer.*

The main object of advertising impact is:

1. consumers
2. advertising distributors
3. advertisers
4. manufacturers

Answer: 1

**Closed-type tasks for establishing compliance**

**Task 6.**

*Read the text and establish the correspondence.*

Veterinary entrepreneurship involves studying the market for veterinary goods and services. Match the terms and definitions. For each item given in the left column, select the corresponding item from the right column.

Term		Concept	
A	Veterinary entrepreneurship	1	studying the market of veterinary goods and services, the variety of factors influencing it
B	Veterinary marketing	2	paid non-personal form of presentation and promotion of veterinary goods and services with clearly known sources of funding
C	Veterinary management	3	initiative, independent veterinary activity associated with risk, aimed at systematically generating profit, income or other benefit from the sale of veterinary products or the provision of veterinary services by persons registered as entrepreneurs
D	Advertising	4	a management system for various forms of commercial veterinary activity aimed at satisfying con-

		sumers of veterinary services through the production and sale of veterinary products and the provision of veterinary services
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Write down the selected numbers under the corresponding letters:

A	B	C	D

Answer: A-3; B-1; C-4; D-2.

### Task 7.

*Read the text and establish the correspondence.*

Veterinary entrepreneurship is an initiative, independent veterinary activity associated with risk, aimed at systematically generating profit, income or other benefit from the sale of veterinary products or the provision of veterinary services by persons registered as entrepreneurs. The table below presents the forms of entrepreneurial activity and their description.

For each item given in the left column, select the corresponding item from the right column.

Forms of entrepreneurial activity		Description	
A	Individual entrepreneur (IP)	1	joint-stock companies whose securities can be bought on the open market
B	Limited Liability Company (LLC)	2	an individual registered in accordance with the procedure established by law and carrying out entrepreneurial activities
C	Public Joint Stock Companies (PJSC)	3	joint-stock companies whose securities cannot be bought by anyone
D	Non-public joint-stock companies (NAO)	4	a legal entity with a share capital divided into shares, which is created by one or more individuals and/or legal entities to conduct activities for the purpose of making a profit

Write down the selected numbers under the corresponding letters:

A	B	C	D

Answer: A-2; B-4; C-1; D-3.

### Task 8.

*Read the text and establish the correspondence.*

Licensing of pharmaceutical activities in the field of drug circulation for veterinary use involves obtaining a special permit (license) for the right of a legal entity or individual entrepreneur to carry out a specific type of activity, оформлением документа, confirming the existence of a license, suspension or termination of the license for violation of license requirements and conditions or renewal of its action.

Match the activities and licensing institutions (Central Office of Rosselkhoznadzor and Territorial Departments of Rosselkhoznadzor) in the table below. For each item in the left column, select the corresponding items from the right column.

Institution		Type of activity subject to licensing	
A	Central Office of Rosselkhoznadzor	1	carrying out retail trade in medicinal products, storage, manufacture and dispensing of medicinal products for veterinary use by veterinary pharmacy organizations operating in the territory of one subject of the Russian Fed-

			eration
B	Territorial Administration of the Rosselkhoznadzor (Federal Service for Veterinary and Phytosanitary Surveillance)	2	manufacture of medicinal products
		3	retail trade in medicinal products by individual entrepreneurs operating in the territory of one subject of the Russian Federation
		4	wholesale trade in medicinal products

Write down the selected numbers under the corresponding letters:

A	B

Answer: A-2,4; B-1,3.

### Task 9.

Advertising of veterinary entrepreneurship is a paid, impersonal form of presentation and promotion of veterinary goods and services with clearly known sources of funding. It performs informational, persuasive and reminding functions. The table below presents the functions of advertising and their description.

For each item given in the left column, select the corresponding item from the right column.

Function description		Function of advertising	
A	Maintaining an adequate level of awareness of veterinary goods and services, reminding consumers that they need veterinary goods and services, and where they can obtain them	1	informational
B	Communicating to consumers information about a new veterinary drug or product, veterinary services, changes in prices and rates, and the creation of a new commercial veterinary organization	2	persuasive
C	Convincing buyers of veterinary goods (consumers of veterinary services) of the need to purchase a specific veterinary drug, instilling a more favorable opinion about the veterinary product, forming consumer preferences in favor of the brand of a particular veterinary institution, enterprise, or veterinary entrepreneur	3	reminding

Write down the selected numbers under the corresponding letters:

A	B	C

Answer: A-3; B-1; C-2.

### Task 10.

*Read the text and establish the correspondence.*

Match the state institution and its function: for each position of the first column, select the corresponding position from the second column.

Institution		Function	
A	Ministry of Agriculture of the Russian Federation	1	State supervision in the field of ensuring the quality and safety of food products
B	Veterinary laboratory	2	Development and approval of regulatory legal acts in the field of veterinary medicine (veterinary rules)
C	Rosselkhoznadzor (Federal Service for Veterinary and Phytosanitary Surveillance)	3	Conducting laboratory tests of raw materials and food products of animal origin

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-2; B-3; C-1.

### Closed-ended tasks for establishing sequence

#### Task 11.

*Read the text and establish the sequence.*

The rules for storing veterinary medicinal products establish requirements for premises for storing medicinal products and determine the conditions for their storage. Arrange the sections of the Rules in the correct order.

1. Features of storage of medicinal products depending on physical and physico-chemical properties, the impact of various environmental factors on them
2. General provisions
3. Requirements for premises for storing medicinal products and organizing the storage of medicinal products

Answer: 2; 3; 1.

#### Task 12.

*Read the text and establish the sequence.*

Arrange the indicated structures of the Federal Service for Veterinary and Phytosanitary Supervision in order of subordination. Write down the numbers by which they are indicated in the correct sequence.

1. Territorial Administration of Rosselkhoznadzor
2. Department of Internal Veterinary Supervision of the TU RSN
3. Central Office of Rosselkhoznadzor

Answer: 2; 1; 3.

#### Task 13.

*Read the text and establish the sequence.*

Arrange the indicated structures in order of subordination (for example, in the order of submitting veterinary reports to the governing structures). Write down the numbers by which they are indicated in the correct sequence.

1. District Veterinary Station
2. Veterinary Sanitary Expertise Laboratory at the market
3. Veterinary Department of the subject

Answer: 2; 1; 3.

#### Task 14.

*Read the text and establish the sequence.*

Arrange the indicated structures in the order of submitting reports on the conducted anti-epizootic measures to higher structures. Write down the numbers by which they are indicated in the correct sequence.

1. District Veterinary Station
2. Veterinary clinic
3. Veterinary Department of the subject

Answer: 2; 1; 3.

**Task 15.**

*Read the text and establish the sequence.*

Arrange the indicated structures in the order of submitting reports on the conducted laboratory research to higher structures. Write down the numbers by which they are indicated in the correct sequence.

1. District Veterinary Laboratory
2. FGBU Center of Veterinary Medicine
3. Veterinary Department of the subject

Answer: 1; 3; 2.

### OPEN-ENDED TASK

**Task 16.**

*Read the text and write a detailed and reasoned answer.*

Pharmaceutical activity in the field of circulation of medicines for veterinary use is subject to licensing. Name the licensing of which types of activities is carried out by the central apparatus of Rosselkhoznadzor.

Answer: The Central Office of the Rosselkhoznadzor, based on inspections of the territorial departments of the RSN, carries out licensing of: production of medicines; wholesale trade of medicines; sale of medicines in veterinary pharmacy organizations operating in the territory of several constituent entities of the Russian Federation.

**Task 17.**

*Read the text and write a detailed and reasoned answer.*

Pharmaceutical activity in the field of circulation of medicines for veterinary use is subject to licensing. Name the licensing of which types of activities is carried out by the territorial departments of Rosselkhoznadzor.

Answer: Territorial departments of Rosselkhoznadzor carry out licensing of veterinary pharmacy organizations operating in the territory of one subject of the Russian Federation; veterinary organizations and individual entrepreneurs operating in the territory of one subject of the Russian Federation.

**Task 18.**

*Read the text and write a detailed and reasoned answer.*

Licensing of pharmaceutical activities in the field of circulation of medicines for veterinary use is carried out by Rosselkhoznadzor. What is licensing - give a detailed answer.

Answer: Licensing of pharmaceutical activities in the field of circulation of medicines for veterinary use is the obtaining of a special permit (license) for the right to carry out a specific type of activity by a legal entity or individual entrepreneur, the execution of a document confirming the existence of a license on paper or in the form of an electronic document, suspension or termination of the license for violation of license requirements and conditions or renewal of its validity.

**Task 19.**

*Read the text and write a detailed and reasoned answer.*

What is veterinary entrepreneurship.

Answer: Veterinary entrepreneurship is an initiative, independent veterinary activity associated with risk, aimed at systematically generating profit, income or other benefit from the sale of veterinary products or the provision of veterinary services by persons registered as entrepreneurs.

**Task 20.**

*Read the text and write a detailed and reasoned answer.*

Order of the Ministry of Agriculture of Russia No. 426 of July 29, 2020 approved the "Rules for storing medicines for veterinary use." Give a detailed answer on what these Rules establish.

Answer: The Rules establish requirements for premises for storing medicines for veterinary use, define the conditions for storing medicines and apply to manufacturers of medicines, wholesale trade organizations of medicines, veterinary pharmacy organizations, individual entrepreneurs, veterinary organizations and other organizations engaged in the circulation of medicines

Tests for assessing competence: **PC-11** - Development of an annual plan of antiepidemiological measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures

PC-11 ID-1 - be able to collect and analyze information, including veterinary statistics data, necessary for planning preventive antiepidemiological measures, prevention of non-contagious animal diseases, veterinary and sanitary measures

PC-11 ID-2 - know the methods of collecting and analyzing information in veterinary planning, including using information databases

### **CLOSED-TYPE TASKS**

#### **Combined type tasks with the selection of one correct answer from the proposed options**

**Task 1.**

*Read the text and choose the correct answer.*

What type of plan is the plan for the elimination and prevention of mass non-contagious animal diseases?

1. Urgent
2. Current
3. Prospective

Answer: 1

**Task 2.**

*Read the text and choose the correct answer.*

Who approves the plan for the elimination and prevention of mass non-contagious animal diseases in livestock farming:

1. Head of the enterprise
2. Director of the Veterinary Laboratory
3. Head of the Veterinary Department of the subject

Answer: 3

**Task 3.**

*Read the text and choose the correct answer.*

Which of the following measures are related to antiepidemiological measures:

1. Vitaminization

2. diagnostic studies
3. biochemical blood tests

Answer: 2

**Task 4.**

*Read the text and choose the correct answer.*

Which activity of the annual plan relates to antiepidemiological measures:

1. Vitaminization
2. prophylactic vaccinations
3. research of feed for quality and safety

Answer: 2

**Task 5.**

*Read the text and choose the correct answer.*

Which of the listed activities relates to veterinary and sanitary work?

1. diagnostic studies
2. biochemical blood tests
3. disinfection

Answer: 3

**Closed-type tasks for establishing compliance**

**Task 6.**

*Read the text and establish the correspondence.*

Establish the correspondence between the section of the plan of diagnostic studies, veterinary-preventive and antiepidemiological measures from the left column and an example of the measure from the right, comparing the letter and the number from the table.

Plan Section		Example of activity	
A	Veterinary and sanitary works	1	vaccination
B	Preventive vaccinations	2	tuberculinization
C	Diagnostic studies	3	disinfection

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-3; B-1; C-2.

**Task 7.**

*Read the text and establish the correspondence.*

Establish the correspondence between the section of the plan of diagnostic studies, veterinary-preventive and antiepidemiological measures from the left column and an example of the measure from the right, comparing the letter and the number from the table.

Section		Example	
A	Therapeutic and prophylactic treatments	1	malleinization
B	Preventive vaccinations	2	treatment of animals for arachno-entomoses

C	Diagnostic studies	3	vaccination against anthrax
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Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-2; B-3; C-1.

**Task 8.**

*Read the text and establish the correspondence.*

When planning measures to eliminate mass cases of non-contagious animal diseases, you can use the statistical method of determining the relationship between the results of laboratory studies and animal morbidity. The degree of relationship is determined by the value of the correlation coefficient. Read the data in the table below. Determine which values from the table on the right are suitable for the degree of relationship indicated on the left, by matching the letter and number from the table.

Correlation coefficient value		Degree of relationship	
A	less than 0.3	1	average
B	0.3 – 0.69	2	strong
C	0.7 – 1	3	low

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-3; B-1; C-2.

**Task 9.**

*Read the text and establish the correspondence.*

Read the data in the table below. Determine which types of plans correspond to the examples of plans by matching the letter and number from the table.

Plan		Example	
A	Urgent plans	1	plan for the recovery of the farm from chronic disease
B	Prospective plans	2	Plan of diagnostic studies, veterinary-preventive and anti-epizootic measures
C	Current plans	3	plan of measures to eliminate infectious animal diseases

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-3; B-1; C-2.

**Task 10.**

*Read the text and establish the correspondence.*

To develop plans for disease control measures and plans for the eradication of non-contagious animal diseases, it is necessary to collect data.

Read the data in the table below. Determine what information is needed to develop plans by matching the letter and numbers from the table.

Type of plan		Information	
A	Plan of diagnostic studies, veterinary-preventive and anti-epizootic measures	1	Analysis of economic use of animals
B	Plan for the eradication of non-contagious animal diseases	2	Livestock by age and sex groups
		3	Analysis of animal feeding
		4	Epizootic situation
		5	Analysis of animal housing conditions
		6	Herd turnover

Write the selected numbers in the table under the corresponding letters.

A	B

Answer: A-2,4,6; B-1,3,5.

### Closed-ended tasks for establishing sequence

#### Task 11.

*Read the text and establish the sequence.*

Arrange the sections of the plan below in the correct sequence of diagnostic studies, veterinary-preventive and anti-epizootic measures. Write down the numbers by which they are indicated in the correct sequence.

1. Preventive vaccinations
2. Veterinary and sanitary works
3. Diagnostic studies
4. Therapeutic and prophylactic treatments

Answer: 3; 1; 4; 2.

#### Task 12.

*Read the text and establish the sequence.*

Arrange the following works in the correct sequence, which are carried out during the implementation of diagnostic studies as part of the implementation of the anti-epizootic measures plan. Write down the numbers by which they are indicated in the correct sequence.

1. biomaterial research in the laboratory
2. preparation of tools
3. Biomaterial collection
4. obtaining a conclusion from the laboratory

Answer: 2; 3; 1; 4.

#### Task 13.

*Read the text and establish the sequence.*

Disinfection is related to veterinary and sanitary work. Arrange the works listed below, carried out during disinfection. Write down the numbers by which they are indicated, in the correct sequence.

1. treatment with disinfectant
2. release of premises from livestock
3. mechanical cleaning
4. drawing up an act on the disinfection carried out

Answer: 2; 3; 1; 4.

**Task 14.**

*Read the text and establish the sequence.*

Arrange in the correct sequence the works listed below, carried out during tuberculinization of cattle. Write down the numbers by which they are indicated, in the correct sequence.

1. reaction accounting
2. preparation and dilution of tuberculin
3. Introduction of tuberculin
4. Drafting of the act

Answer: 2; 3; 1; 4.

**Task 15.**

*Read the text and establish the sequence.*

When developing a plan of diagnostic studies, veterinary-preventive and anti-epizootic measures for the subject, information about the planned activities is collected "from the bottom up". Write down the numbers that indicate the structures that submit information in the correct sequence.

1. District Veterinary Station
2. Production veterinary service of livestock farms
3. Veterinary Department of the subject

Answer: 2; 1; 3.

## OPEN-ENDED TASK

**Task 16.**

*Read the text and write a detailed and reasoned answer.*

What types of plans exist in veterinary medicine? Give examples and give a brief description.

Answer: Plans can be long-term (for a period of 3 years or more, for example, a plan for the rehabilitation of the farm from a chronic disease), urgent (in connection with an outbreak of infectious or mass non-infectious animal diseases), current (for a calendar year, a plan of diagnostic studies, veterinary-preventive and anti-epizootic measures).

**Task 17.**

*Read the text and write a detailed and reasoned answer.*

To determine the causes of morbidity and mortality of animals in mass non-infectious diseases, you can use the statistical method of determining the relationship (correlation). Give a detailed answer.

Answer: Correlation is a statistical method of determining the relationship between the results of laboratory studies and the incidence of animals with a particular disease. For this purpose, the correlation coefficient is calculated. The magnitude of this coefficient judges the degree of relationship of one or another type of metabolic disorder with the occurrence of the disease in animals.

**Task 18.**

*Read the text and write a detailed and reasoned answer.*

What activities are included in the "diagnostic studies" section of the diagnostic studies, veterinary-preventive and anti-epizootic measures plan? Please provide a detailed answer.

Answer: This section includes allergy tests (malleinization, tuberculinization), serological tests for infectious diseases, and coprological tests for helminthiasis.

**Task 19.**

*Read the text and give a detailed reasoned answer*

What activities are included in the section "veterinary and sanitary work" of the plan of diagnostic studies, veterinary-preventive and anti-epizootic measures? Give a detailed answer.

Answer: This section includes disinfection, disinsection, and deratization.

**Task 20.**

*Read the text and write a detailed and reasoned answer.*

When planning measures to eliminate mass non-contagious animal diseases, the commission analyzes accounting indicators in animal husbandry in order to establish the cause of the disease. Give a detailed answer on what this analysis includes.

Answer: The analysis of accounting indicators in animal husbandry includes the analysis of the economic use of animals, the analysis of feeding, the analysis of housing conditions, the analysis of the results of biochemical blood tests, and the symptomatology of the herd or group of animals.

Competency assessment tests: PC-13 - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of anti-epizootic measures

PC-13 ID-1 - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine

### CLOSED-TYPE TASKS

#### Combined type tasks with the selection of one correct answer from the proposed options

**Task 1.**

*Read the text and choose the correct answer.*

The powers of the authorities include the approval of regulatory legal acts. Which executive body develops and approves Veterinary rules (rules in the field of veterinary medicine)?

1. federal executive body exercising control and supervision in veterinary medicine and other assigned area of activity
2. federal executive body in the field of regulatory legal regulation in veterinary medicine
3. Executive authorities of the constituent entities of the Russian Federation in the field of veterinary medicine

Answer: 2

**Task 2.**

*Read the text and choose the correct answer.*

Who approves the List of animal species subject to marking (identification) and registration?

1. Federal executive authority in the field of normative legal regulation in veterinary medicine
2. Federal executive authority in the field of veterinary supervision
3. Government of the Russian Federation

Answer: 1

**Task 3.**

*Read the text and choose the correct answer.*

In the event of infectious animal diseases in the territory of the subject, quarantine is imposed. Who imposes quarantine on a disadvantaged point:

1. Director of the veterinary laboratory
2. Governor
3. Head of the station for combating animal diseases

Answer: 2

**Task 4.**

*Read the text and choose the correct answer.*

What type of biological waste includes animal tissues or their fragments formed during veterinary procedures?

1. Non-hazardous biological waste
2. Hazardous biological waste
3. Extremely hazardous biological waste
4. Moderately hazardous biological waste

Answer: 4

**Task 5.**

*Read the text and choose the correct answer.*

Which executive authority performs the function of regulatory legal regulation in the field of veterinary medicine?

1. Rosselkhozadzor (Federal Service for Veterinary and Phytosanitary Surveillance)
2. Government of the Russian Federation
3. Ministry of Agriculture of the Russian Federation

Answer: 3.

**Closed-type tasks for establishing compliance**

**Task 6.**

*Read the text and establish the correspondence.*

Establish the correspondence of the sources of financing of the veterinary service from the left column and the type of veterinary service from the right, comparing the letter and number from the table.

Source of funding		Service	
A	Subsidies from the regional budget for the implementation of the state assignment to the state veterinary institution	1	Rosselkhozadzor (Federal Service for Veterinary and Phytosanitary Surveillance)
B	Enterprise funds from the sale of animals or products of animal origin	2	State Veterinary Service of the Subject
C	Funds from the federal budget	3	Production Veterinary Service

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-2; B-3; C-1.

**Task 7.**

*Read the text and establish the correspondence.*

Storage of biological waste is allowed in specially equipped premises with strict adherence to temperature regimes. How long can the storage of biological waste be carried out in containers for biological waste from the moment of their formation, depending on the temperature in the room?

Establish the correspondence: for each position of the first column, select the corresponding position from the second column.

Temperature in the room for storing biological waste		Terms of storage of biological waste	
A	from 4 to 0°C?	1	up to 12 months;
B	at temperatures from minus 1 to minus 7°C?	2	up to 30 days;
C	from minus 8 to minus 10°C	3	up to 7 days;
D	from minus 11 to minus 17°C?	4	up to 3 days;
E	at a temperature of minus 18 and below?	5	up to 2 days;

Write the selected numbers in the table under the corresponding letters.

A	B	C	D	E

Answer: A-5; B-4; C-3; D-2; E-1.

**Task 8.**

*Read the text and establish the correspondence.*

The List of Biological Waste was approved by Order of the Ministry of Agriculture of the Russian Federation.

Establish the correspondence: for each position of the first column, select the corresponding position from the second column.

Types of biological waste		What they include	
A	Objects of animal origin resulting from veterinary activities	1	Dead animal embryos, stillborn and aborted animal fetuses, including parts thereof
B	Animal remains	2	Waste from the primary processing of hunting resources
C	Waste from the processing of food and non-food raw materials of animal origin	3	Remains of samples of pathological and biological material of animals after laboratory tests, samples of animal products after veterinary and sanitary examination, samples of pathological and biological material of animals or animal products unsuitable for laboratory tests or for veterinary and sanitary examination
		4	Animal carcasses, including parts thereof
		5	Animal waste generated at animal slaughter

			sites (slaughterhouse waste)
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Write down the selected numbers under the corresponding letters:

A	B	C

Answer: A-3; B-1, 4; C-2, 5.

**Task 9.**

*Read the text and establish the correspondence.*

The structure of the state veterinary service of the Russian Federation includes veterinary institutions that differ in subordination and powers. Establish a correspondence between the institutions from the left and right columns of the table within the framework of their subordination, comparing the letter and number from the table.

Governing institutions		Subordinate institutions	
A	Veterinary Department of the subject	1	Veterinary station
B	District station for combating animal diseases	2	Veterinary Department
C	Ministry of Agriculture	3	District station for combating animal diseases

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-3; B-1; C-2.

**Task 10.**

*Read the text and establish the correspondence.*

Veterinary rules define the requirements for the disposal of biological waste.

Establish the correspondence: for each position of the first column, select the corresponding position from the second column.

Biological waste		Recycling requirements	
A	Disposal of highly hazardous biological waste	1	Allowed for the purpose of producing feed and feed additives for animals, fertilizers, biogas and other products for technical purposes
B	Disposal of moderately hazardous biological waste	2	Must be carried out in compliance with the regimes ensuring the inactivation of animal disease pathogens
C	Disposal of moderately hazardous biological waste contaminated with animal disease pathogens,	3	Not allowed

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-3; B-1; C-2.

## Closed-ended tasks for establishing sequence

### Task 11.

*Read the text and establish the sequence.*

The handling of biological waste, including residual samples of animal products after laboratory tests, includes a series of sequential actions. Write down the numbers that indicate them in the correct sequence.

1. storage;
2. collection;
3. disposal;
4. Packaging.

Answer: 2; 4; 1; 3.

### Task 12.

*Read the text and establish the sequence.*

The destruction of particularly dangerous biological waste must be carried out under the supervision of a specialist from the state veterinary service by incineration in furnaces (cremators) or in the open air in trenches (pits) until a non-combustible residue is formed. Write down the numbers in the correct sequence:

1. Destruction of particularly dangerous biological waste under the supervision of a specialist from the state veterinary service;
2. Collection of biological waste whose owner is not established;
3. Storage of biological waste in a container labeled "particularly dangerous biological waste";
4. Moving particularly dangerous biological waste to the place of destruction.

Answer: 2; 3; 4; 1.

### Task 13.

*Read the text and establish the sequence.*

In the event of an outbreak of an infectious animal disease, certain actions must be taken. Write down the numbers by which they are indicated in the correct sequence.

1. The farm is inspected
2. Quarantine is imposed
3. A commission is assembled
4. An epizootological examination report is drawn up

Answer: 3; 1; 4; 2.

### Task 14.

*Read the text and establish the sequence.*

In the event of an outbreak of an infectious animal disease, certain structures and officials are notified. Write down the numbers by which they are indicated, in the correct sequence (from the one who learned about the outbreak first to the one who will impose quarantine).

1. Head of SBBZH
2. Chief veterinarian of the farm
3. Head of the veterinary department of the subject
4. Governor of the subject

Answer: 2; 1; 3; 4.

### Task 15.

*Read the text and establish the sequence.*

In the event of an outbreak of an infectious animal disease, certain structures and officials are notified. Write down the numbers by which they are indicated, in the correct sequence (from the one who learned about the outbreak first to the last one).

1. Head of SBBZH
2. Director of the laboratory that confirmed the diagnosis
3. Head of the Territorial Administration of Rosselkhoz nadzor
4. Governor

Answer: 2; 1; 3; 4.

### OPEN-ENDED TASK

#### Task 16.

*Read the text and write a detailed and reasoned answer.*

When drawing up a plan of measures to eliminate infectious animal diseases, regulatory legal acts are used. What is the name of the document approved by the Order of the Ministry of Agriculture for combating infectious animal diseases?

Give a detailed answer.

Answer: Veterinary rules for the implementation of preventive, diagnostic, therapeutic, restrictive and other measures, the establishment and cancellation of quarantine and other restrictions aimed at preventing the spread and elimination of foci of infectious animal diseases.

#### Task 17.

*Read the text and write a detailed and reasoned answer.*

In case of infectious animal diseases, quarantine is imposed. Give a detailed answer to what quarantine is and who imposes it in the subject.

Answer: Quarantine is a set of restrictive veterinary-sanitary and administrative measures aimed at preventing the spread and elimination of the focus of quarantine infectious animal diseases. Quarantine is imposed by the highest official of the executive authorities of the subject (governor).

#### Task 18.

*Read the text and write a detailed and reasoned answer.*

How does the highest official of the subject of the Russian Federation participate in the elimination of a particularly dangerous animal disease? Give a detailed answer.

Answer: ensures the implementation of special measures to eliminate foci of infectious animal diseases in the event of the establishment of restrictive measures (quarantine) on the territory of the subject of the Russian Federation - imposes and removes quarantine.

#### Task 19.

*Read the text and give a detailed reasoned answer.*

In order to prevent the spread of the disease beyond the focus, a quarantine is established. The decree on the imposition of quarantine is signed by the governor of the subject. Name the main points of this Decree.

Answer: Impose a quarantine on the disadvantaged point, indicate the full address of the disease focus, establish a threatened zone, approve a plan to eliminate the disease, oblige responsible persons to implement the plan activities within the established time frame, notify citizens, and assign control over the implementation of the decree to the vice governor.

#### Task 20.

*Read the text and write a detailed and reasoned answer.*

Moderately hazardous biological waste is subject to disposal or destruction. Give a reasoned answer for what purposes their disposal is allowed.

Answer: Disposal of moderately hazardous biological waste is allowed through the production of feed and feed additives, fertilizers, biogas and other products for technical purposes. Disposal of moderately hazardous biological waste contaminated with animal disease pathogens must be carried out in compliance with the regimes ensuring inactivation of animal disease pathogens.

Competency assessment tests: **PC-14** - Organization of preventive immunizations (vaccinations), therapeutic and prophylactic treatments of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of measures for the prevention of animal diseases in order to improve them

PC-14 ID-1 - be able to assess the effectiveness of the preventive measures taken and the methods of their implementation, including using digital technologies

PC-14 ID-3 - know the types of antiepidemiological measures and the requirements for their implementation in accordance with methodological guidelines, instructions, instructions, rules for the diagnosis, prevention and treatment of animals

## CLOSED-TYPE TASKS

### Combined type tasks with the selection of one correct answer from the proposed options

#### Task 1.

*Read the text and choose the correct answer.*

To which group of antiepidemiological measures does disinfection belong:

1. diagnostic studies
2. prophylactic vaccinations
3. veterinary and sanitary works
4. therapeutic and prophylactic treatments

Answer: 3

#### Task 2.

*Read the text and choose the correct answer.*

To which type of plans does the plan of diagnostic studies, veterinary-preventive and antiepidemiological measures belong:

1. promising
2. Current
3. operational

Answer: 2

#### Task 3.

*Read the text and choose the correct answer.*

What constitutes prevented damage as a result of treating sick animals:

1. economic and actual damages
2. actual damage
3. the difference between the possible economic damage from mortality and the actual damage caused by the disease

Answer: 3

#### Task 4.

*Read the text and choose the correct answers.*

The rules for the provision of paid veterinary services contain a list of paid and free veterinary services. Which of the following types of veterinary services is free?

1. Therapeutic and preventive measures
2. Conducting activities for the prevention, diagnosis and eradication of diseases that are particularly dangerous to humans and animals
3. Transportation, storage and sale of medicines for animals
4. Veterinary and sanitary expertise

Answer: 2

**Task 5.**

*Read the text and choose the correct answers.*

The rules for the provision of paid veterinary services contain a list of paid and free veterinary services. Which of the listed types of veterinary services are paid?

1. All types of laboratory tests, conducting veterinary and sanitary examination of food raw materials and food products of animal origin
2. Conducting activities for the prevention, diagnosis and eradication of diseases,
3. Implementation of federal state veterinary control (supervision)
4. Registration of veterinary accompanying documents in electronic form

Answer: 1

**Closed-type tasks for establishing compliance**

**Task 6.**

*Read the text and establish the correspondence.*

What types of economic damage caused by animal diseases exist: match each item in the first column with the corresponding item from the second column.

Type of damage		Example	
A	Damage from the fall, forced slaughter and destruction of adult animals	1	Calculated if animals older than one year die from the disease
B	Damage from reduced animal productivity due to their illness	2	Calculated when milk fat content deteriorates due to illness
C	Damage from reduced quality of products (raw materials) obtained from sick, forcibly killed, fallen animals	3	Calculated with lower milk yields from sick animals

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-1; B-3; C-2

**Task 7.**

*Read the text and establish the correspondence.*

What types of economic damage caused by animal diseases exist: match each item in the first column with the corresponding item from the second column.

Kind	Example
A	Damage from loss of breeding value of animals
B	Damage from forced downtime of working livestock
C	Damage from loss of offspring

1	Calculated when it is impossible to use a horse as transport
2	Calculated when a breeding bull is negatively affected by the disease
3	Calculated in cases where a cow is not inseminated

			inated or an abortion occurs due to illness
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Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-2; B-1; C-3.

**Task 8.**

*Read the text and establish the correspondence.*

What types of economic damage caused by animal diseases exist: match each item in the first column with the corresponding item from the second column.

Type of damage		Example	
A	Damage from culling carcasses, organs and raw materials of animal origin	1	Calculated in the event that the barnyard needs to be left empty for a period of time due to illness
B	Damage from forced downtime of production facilities	2	Calculated in the presence of rejected by-products
C	Total actual damage	3	Total amount of all types of damage

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-2; B-1; C-3.

**Task 9.**

*Read the text and establish the correspondence.*

To calculate the economic efficiency of veterinary measures per 1 ruble of costs, it is necessary to find the prevented economic damage. What types of prevented economic damage are there? Match each item in the first column with the corresponding item from the second column.

Kind		Example	
A	prevented economic damage	1	difference between potential and actual economic damage
B	prevented damage as a result of disease prevention and eradication	2	this is the economic result of veterinary measures, characterizing the size of prevention of possible product losses in a particular disease due to prompt, comprehensive veterinary measures, the use of new, more modern methods and means of their implementation
C	prevented damage as a result of treating sick animals	3	difference between possible economic damage from mortality and actual damage

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-2; B-1; C-3.

**Task 10.**

*Read the text and establish the correspondence.*

To determine the economic effect of the veterinary measures taken, it is necessary to calculate the costs of veterinary measures. Establish the correspondence of the type of costs for veterinary measures from the left column and their description from the right column of the table, comparing the letter and number from the table.

Type of costs		Description of veterinary measures costs	
A	Material costs	1	basic and additional wages to veterinary specialists, other workers and employees of the veterinary institution, as well as auxiliary workers involved in the implementation of veterinary measures, allowances and surcharges to tariff rates and salaries; bonuses, the cost of free provision of work clothes and work shoes, payment of regular and additional vacations
B	Labor costs	2	travel expenses, remuneration for inventions, payment for security and fire protection, costs for guaranteed repair and maintenance of veterinary equipment, payment for communication services and computer centers, payment for rent of premises, etc.
C	Other expenses	3	the cost of used biological products, medicines, disinfectants, dressings, instruments, equipment, fuel, electricity, lubricants, building materials and the cost of construction of temporary slaughter sites, pasteurization rooms, checkpoints, barriers, disinfection barriers, the cost of transport services, packaging, packaging.

Write the selected numbers in the table under the corresponding letters.

A	B	C

Answer: A-3; B-1; C-2.

**Closed-ended tasks for establishing sequence****Task 11.**

*Read the text and establish the sequence.*

Arrange the following works carried out during the vaccination of pigs in the correct sequence. Write down the numbers by which they are indicated in the correct sequence.

1. creation of an act on vaccination of pigs
2. preparation of vaccine, needles, syringes, gloves
3. Vaccine introduction
4. monitoring of livestock after vaccination

Answer: 2; 3; 1; 4.

**Task 12.**

*Read the text and establish the sequence.*

After the anti-epizootic measures are carried out, the veterinary specialists draw up an act. Arrange in the correct sequence the disinfection regimes that are indicated in the act for disinfection of the premises.

1. exposure
2. name of disinfectant
3. solution temperature and air temperature in the room
4. preparation of the room (mechanical cleaning)

Answer: 4; 2; 3; 1.

### **Task 13.**

*Read the text and establish the sequence.*

Arrange in the correct sequence the works listed below, carried out during the implementation of an anti-epizootic measure - diagnostic studies of horses for glanders. Write down the numbers by which they are indicated in the correct sequence.

1. analysis of biomaterial in the laboratory
2. preparation of instruments for biomaterial collection
3. collection of biomaterial from horses
4. obtaining a conclusion from the laboratory on the presence/absence of glanders

Answer: 2; 3; 1; 4.

### **Task 14.**

*Read the text and establish the sequence.*

To determine the economic efficiency of preventive veterinary measures per 1 ruble of costs, it is necessary to calculate a number of indicators. Arrange the sequence of calculations of the indicators (values) listed below. Write down the numbers by which they are indicated in the correct sequence.

1. determination of the economic effect of the measures taken per 1 ruble of costs
2. determination of prevented damage as a result of prevention and elimination of the disease
3. determination of costs for the measures taken
4. determination of economic damage caused by diseases

Answer: 4; 2; 3; 1.

### **Task 15.**

*Read the text and establish the sequence.*

Arrange the information indicated in the animal vaccination certificate in the correct sequence. Write down the numbers by which it is indicated, in the correct sequence.

1. name of the event
2. composition of the commission
3. type and number of animals
4. vaccine data (name, manufacturer, etc.)
5. method (method) of vaccine administration

Answer: 2; 1; 3; 4; 5.

## **OPEN-ENDED TASK**

### **Task 16.**

*Read the text and write a detailed and reasoned answer.*

What measures are included in the section «preventive vaccinations» of the plan of diagnostic studies, veterinary-preventive and anti-epizootic measures? Give a detailed answer.

Answer: This section includes vaccination of animals and the introduction of serums.

**Task 17.**

*Read the text and write a detailed and reasoned answer.*

The structure of the state veterinary service of a rural (municipal) district is represented by a number of veterinary institutions. List these institutions.

Answer: District station for combating animal diseases, district veterinary laboratory, district veterinary clinic, veterinary station, veterinary point, laboratory of veterinary and sanitary expertise.

**Task 18.**

*Read the text and write a detailed and reasoned answer.*

The State Veterinary Institution of the district SBBZH receives subsidies from the budget of the subject for financial support of the implementation of the state task. Give a complete answer to what a state task is. Give a complete answer.

Answer: A state task is a document establishing requirements for the composition, quality, volume (content), conditions, procedure and results of the provision of state services (performance of work).

**Task 19.**

*Read the text and write a detailed and reasoned answer.*

An act is drawn up after the anti-epizootic event. What mandatory information about the vaccine is indicated in the vaccination certificate. Give a detailed answer.

Answer: The vaccination certificate indicates the name of the vaccine, the name of the biopharmaceutical manufacturer, the date of manufacture, the series (number) of the vaccine, and the expiration date.

**Task 20.**

*Read the text and write a detailed and reasoned answer.*

The annual plan is drawn up by specialists of the veterinary service in order to prevent infectious animal diseases. Name the sections of the plan and what activities are included in each section. Give a detailed answer.

Answer: The annual plan contains five main sections. Diagnostic studies include allergic studies (malleinization, tuberculinization), serological studies for infectious diseases, coprological studies for helminthiasis, preventive vaccinations - the introduction of vaccines and serums, therapeutic and prophylactic treatments - treatment of animals against ectoparasites, deworming - treatment of animals against endoparasites, veterinary and sanitary works - disinfection, disinsection, deratization.

Tests for competence assessment: **PC-19** - Able to organize monitoring studies using systems for processing large amounts of data and artificial intelligence in professional activities.

PC-19 ID-1 - to know software systems for automatic management of veterinary documentation  
PC-19 ID-2 - to possess skills in working with large arrays of veterinary documentation  
PC-19 ID-3 - to possess knowledge in the field of artificial intelligence and data analysis

## CLOSED-TYPE TASKS

### Combined type tasks with the selection of one correct answer from the proposed options

#### Task 1.

*Read the text and choose the correct answer.*

The procedure for operating the Federal State Information System in the field of veterinary medicine contains requirements for ensuring access for individuals and legal entities to the information contained within it. How authorized persons from the bodies and institutions that are part of the state veterinary service system of the Russian Federation are registered in the FGIS "VetIS":

1. when submitting an application for access to the FGIS in writing on the letterhead of the body or institution belonging to the system of the State Veterinary Service of the Russian Federation
2. when using the electronic registration form posted on the FGIS operator's website
3. by written application to any of the territorial offices of the FGIS operator

Answer: 1

#### Task 2.

*Read the text and choose the correct answer.*

What is FGIS "VetIS":

1. State Federal Information System
2. Information State Federal System
3. Federal State Information System in the field of veterinary medicine

Answer: 3

#### Task 3.

*Read the text and choose the correct answer.*

The Federal State Information System in the field of veterinary medicine (FGIS "VetIS") is an integrated information environment, which includes various components (special information systems). Indicate which component from the list below belongs to FGIS "VetIS":

1. Apollo Component
2. Argus Component
3. Leviathan Component

Answer: 2

#### Task 4.

*Read the text and choose the correct answer.*

The Federal State Information System in the field of veterinary medicine (FGIS "VetIS") is an integrated information environment, which includes various components (special information systems). Indicate which component from the list below belongs to FGIS "VetIS":

1. Mercury Component
2. Diana Component
3. Argonaut Component

Answer: 1

#### Task 5.

*Read the text and choose the correct answer.*

The Federal State Information System in the field of veterinary medicine (FSIS VetIS) is an integrated information environment, which includes various components (special information systems). Which component of the FSIS VetIS is designed to register laboratory tests of controlled goods, save and process information about them?

1. Mercury Component
2. Horriot Component
3. Vesta Component

Answer: 3

### Closed-type tasks for establishing compliance

**Task 6.**

*Read the text and establish the correspondence.*

The Federal State Information System in the field of veterinary medicine (FSIS VetIS) is an integrated information environment, which includes various components (special information systems). Match the components of the FSIS VetIS and their general description (what it is for) in the table below.

For each item given in the left column, select the corresponding item from the right column.

Component		Function	
A	Galen	1	designed to register the results of veterinary and sanitary inspection of controlled goods and issue veterinary accompanying documents in electronic form, save and process information about them
B	Chorriot	2	is designed to monitor the safety of veterinary medicinal products, register adverse effects, serious adverse reactions, and unforeseen adverse reactions in the use of veterinary medicinal products, and provide information on this.
C	Mercury	3	is intended to present information about the identification and accounting of animals that belong to species included in the List of Animal Species Subject to Identification and Accounting in the Federal State Information System "VetIS".

Write down the selected numbers under the corresponding letters:

A	B	C

Answer: A-2; B-3; C-1.

**Task 7.**

*Read the text and establish the correspondence.*

The Federal State Information System in the field of veterinary medicine (FSIS VetIS) is an integrated information environment, which includes various components (special information systems). Match the components of the FSIS VetIS and their general description (what it is for) in the table below.

For each item given in the left column, select the corresponding item from the right column.

Component	Function
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A	Argus	1	is used as a single repository of information about all institutions of the Rosselkhoz nadzor within the structure of its information systems.
B	Irena	2	allows for the monitoring and accounting of legally significant actions in the field of veterinary surveillance by automating the process of collecting and analyzing information about supervised entities, taking into account all stages of supervisory activities and the formation of relevant documents.
C	Cerberus	3	is intended for the electronic issuance of permits for the importation of controlled goods into the territory of the Russian Federation, their export from the territory of the Russian Federation, and their transit through the territory of the Russian Federation, as well as for the presentation and receipt of information regarding veterinary control at checkpoints across the State Border of the Russian Federation.
D	Thor	4	designed to automate the process of registering veterinary medicines and feed additives, as well as feed derived from genetically modified organisms. The system allows maintaining a unified register of registered medicines and feed additives, maintaining a register of registration applications with the ability to view the status of the application

Write down the selected numbers under the corresponding letters:

A	B	C	D

Answer: A-3; B-4; C-2; D-1.

**Task 8.**

*Read the text and establish the correspondence.*

Match the subsystems of the Mercury component of the FGIS VetIS and their general description in the table below.

For each item given in the left column, select the corresponding item from the right column

Subsystem		Function	
A	Subsystem of preliminary notifications to foreign countries (Mercury. Notifications)	1	execution of electronic sampling certificates;

B	Subsystem of State Veterinary Expertise (Mercury.GVE)	2	creation and sending of preliminary notifications about batches of products following outside the Russian Federation by veterinary services of subjects of the Russian Federation, as well as territorial administrations of Rosselkhoz nadzor;
C	Subsystem for verifying the authenticity of issued VSDs	3	The function allows any interested party who is not a registered user of the FGIS "VetIS" to carry out an operational verification of the authenticity of an electronic VSD issued in the FGIS "VetIS" component - Mercury.
D	Subsystem of Territorial Administration (Mercury.TU)	4	maintaining a register of controlled temporary storage warehouses, customs terminal complexes, as well as performing administrative functions for setting up access rights for employees of the Territorial Administration

Write down the selected numbers under the corresponding letters:

A	B	C	D

Answer: A-2; B-1; C-3; D-4.

### Task 9.

*Read the text and establish the correspondence.*

The Federal State Information System in the field of veterinary medicine (FGIS "VetIS") is an integrated information environment, which includes various components (special information systems).

Match the components of the FGIS "VetIS" and their general description (what it is for) in the table below. For each position given in the left column, select the corresponding position from the right column.

Component		Function	
A	Hermes	1	designed to collect reports in electronic form from institutions accountable to Rosselkhoz nadzor, as well as aggregate the data obtained with the possibility of further analysis by employees of the Central Office
B	Icarus	2	designed to maintain, preserve and process data on registered users of the FGIS "VetIS" and establish their access rights to the FGIS "VetIS" (in accordance with paragraph 1.3 of the Procedure for submitting information to the Federal State Information System in the field of veterinary medicine and receiving information from it, as well as managing the list of users by administrators of bodies, institutions and organizations)
C	Vetis.Passport	3	designed to automate the process of licensing pharmaceutical activities and the production of medicines for veteri-

			nary use
D	Assol	4	used as a single repository of address data in the structure of information systems of the Rosselkhoznadzor. Implemented as a separate system with a software interface for interaction, which is accessed by other information systems with a request for information about address objects

Write down the selected numbers under the corresponding letters:

A	B	C	D

Answer: A-3; B-4; C-2; D-1.

### Task 10.

*Read the text and establish the correspondence.*

The Federal State Information System in the field of veterinary medicine (FSIS VetIS) is an integrated information environment, which includes various components (special information systems). Match the components of the FSIS VetIS and their general description (what it is for) in the table below.

For each item given in the left column, select the corresponding item from the right column.

Component		Function	
A	Vesta	1	designed to register laboratory tests of controlled goods, save and process information about them, including to automate the process of collecting, transmitting and analyzing information on laboratory testing of samples of supervised products during research in the field of diagnostics, food safety, food and feed quality, quality and safety of medicines for animals, etc.
B	Sirano	2	designed for veterinary certification of goods subject to state veterinary supervision exported from the Russian Federation to foreign countries
C	eCert	3	Alerts about identified product non-compliance with legal requirements are transmitted through this platform in such a short time that competent authorities have the opportunity to take timely response measures.

Write down the selected numbers under the corresponding letters:

A	B	C

Answer: A-1; B-3; C-2.

### Closed-ended tasks for establishing sequence

#### Task 11.

*Read the text and establish the sequence.*

The registration procedure in the FGIS "VetIS" includes a number of actions (steps). Write down the numbers by which they are indicated in the correct sequence.

1. determine the list of employees authorized to work in the FGIS
2. fill out an application for submission to the territorial subdivision of Rosselkhoznadzor
3. receive a login and password by e-mail after consideration of the application

4. create an electronic application on the "Cerberus" platform
  5. enter your personal account using the login, which must be confirmed with a password
- Answer: 4; 1; 2; 3; 5.

**Task 12.**

*Read the text and establish the sequence.*

The economic entity enters an application for the import of controlled goods into the Russian Federation into the Argus subsystem. Before sending the application to the Federal State Veterinary Supervision Department, it undergoes automatic analysis for the presence of existing restrictions on the import of products.

Arrange in chronological order the procedure for obtaining permission to import products. Write down the numbers that indicate the order of application in the correct sequence.

1. The application is reviewed and verified;
2. Creation of the permit and its approval either manually or automatically;
3. If an error is detected, the application is sent to the business entity for revision;
4. An application is received from the business entity in electronic form with all the necessary documents.

Answer: 4; 1; 3; 2.

**Task 13.**

*Read the text and establish the sequence.*

The legislation of the Russian Federation includes universally recognized principles and norms of international law, federal legislation, and legislation of the constituent entities of the Russian Federation. Write down the numbers that indicate these documents in the correct sequence.

1. Federal constitutional laws
2. Laws of the subjects of the Russian Federation
3. Constitution of the Russian Federation
4. Federal laws

Answer: 3; 1; 4; 2.

**Task 14.**

*Read the text and establish the sequence.*

Establish the sequence of actions when verifying the authenticity of an electronic VSD. Write down the numbers by which they are indicated, in the correct sequence.

1. Scan the QR code on the accompanying document
2. Verification of the accompanying document data, establishing the conformity of the cargo
3. Obtaining the result on the status of the document (valid/invalid)
4. Checking the address of the FSIS VetIS website

Answer: 1; 4; 2; 3.

**Task 15.**

*Read the text and establish the sequence.*

Establish the sequence of implementation of the traceability principle "from field to counter" using VetIS. Write down the numbers by which they are indicated in the correct sequence.

1. Entering data into the system about the treatments and treatment of the animal
2. Registration of VSD for the sale of finished products to a large retail chain
3. Accounting in AC Horriot and AC Mercury for the birth/receipt of an animal on the farm and data on its health

4. Registration of VSD for the transportation of an animal or raw materials to a processing plant

Answer: 3; 1; 4; 2.

### OPEN-ENDED TASK

#### Task 16.

*Read the text and write a detailed and reasoned answer.*

The Federal State Information System in the field of Veterinary Medicine (FGIS VetIS) is an integrated information environment that includes various components (special information systems). What components of FGIS VetIS exist? Give a detailed answer.

Answer: Component Argus, Component Assol, Component Atlas, Component Vesta, VetIS.API Component, Galen Component, Hermes Component, Dumas Component, Icarus Component, Irene Component, Mercury Component, Passport Component, Cyrano Component, Thor Component, Horriot Component, Cerberus Component, eCert Component.

#### Task 17.

*Read the text and write a detailed and reasoned answer.*

The Federal State Information System in the field of Veterinary Medicine (FGIS VetIS) is an integrated information environment that includes various components (special information systems). What is the purpose of the "Hermes" component?

Answer: The "Hermes" component is designed to automate the process of licensing pharmaceutical activities and the production of medicines for veterinary use.

#### Task 18.

*Read the text and write a detailed and reasoned answer.*

The Federal State Information System in the field of Veterinary Medicine (FGIS VetIS) is an integrated information environment that includes various components (special information systems). What is the purpose of the "Argus" component?

Answer: The "Argus" component is designed to automate the process of reviewing applications for the import, export, or transit of animals, products, and raw materials of animal origin, the process of issuing permits or denials, tracking the movement of goods across the external border, and receiving feedback on actually imported goods and their volume.

#### Task 19.

*Read the text and write a detailed and reasoned answer.*

The Federal State Information System in the field of Veterinary Medicine (FGIS VetIS) is an integrated information environment that includes various components (special information systems). What is the purpose of the "Vesta" component?

Answer: The "Vesta" component is designed to register laboratory tests of controlled goods, store and process information about them. Including for automating the process of collecting, transmitting and analyzing information on laboratory testing of samples of supervised products in studies in the field of diagnostics, food safety, food and feed quality, quality and safety of medicines for animals, etc.

The "Vesta" component provides centralized control over the implementation of state programs, as well as monitoring of food safety and epizootic monitoring.

#### Task 20.

*Read the text and write a detailed and reasoned answer.*

The Federal State Information System in the Field of Veterinary Medicine (FGIS "VetIS") represents an integrated information environment that includes various components (specialized information systems). What is the "Khoriot" component? What functions does it perform, and what is it used for? Please provide a detailed answer.

Answer: The "Khorriot" component is designed to represent information on the identification and registration of animals, on preventive, diagnostic (excluding laboratory tests), therapeutic and other measures taken, on the establishment or cancellation of restrictive measures (quarantine) in the Federal State Information System "VetIS".

Objectives:

- Technical support for marking, registration and identification of animals, collection and analysis of information about registered animals in order to ensure the traceability of the animal life cycle.
- Registration of measures taken for the prevention and treatment of animal diseases.
- Identification of sources and routes of spread of pathogens of infectious animal diseases, implementation of measures to combat the spread of infectious animal diseases, as well as accounting and analysis of the epizootic situation in the Russian Federation.
- Minimizing human errors, thanks to the availability of ready-made forms for entering information, as well as checking the data entered by the user.

## **4.2. Typical tasks for interim certification**

### **4.2.1. Questions for the test**

Formed competence: GPC-3 - Able to carry out and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex

GPC-3 ID-1 - know the basics of national and international veterinary legislation, legislation on digital technologies in the field of agro-industrial complex, specific rules and regulations governing veterinary activities at the local, national and international levels

GPC-3 ID-2 - be able to find modern, up-to-date and reliable information on veterinary legislation, including the use of digital technologies, rules and regulations governing veterinary activities in a particular region and/or country

GPC-3 ID-3 - to possess the regulatory legal framework and ethical standards in the implementation of professional activities

1. Veterinary medicine. Tasks of veterinary medicine.
2. Specialists in the field of veterinary medicine.
3. The system of the state veterinary service in the Russian Federation.
4. Federal Service for Veterinary and Phytosanitary Supervision. Structure. Powers.
5. Territorial bodies and organizations of the Federal Service for Veterinary and Phytosanitary Supervision.
6. Types of veterinary services in the Russian Federation. Their interaction.
7. Tasks of the State Veterinary Service of the Russian Federation. Organization of their implementation.
8. Office management in veterinary institutions. Regulatory and legal regulation.
9. Administrative documents.
10. Organizational documents.
11. Information and reference documents.
12. Nomenclature of cases in veterinary institutions. Main sections. Approval procedure.

Formed competence: **GPC-5** - Able to draw up special documentation, analyze the results of professional activity and submit reporting documents using specialized databases

GPC-5 ID-1 - be able to apply new information technologies to solve the tasks in their professional activities, work with specialized information databases

GPC-5 ID-2 - possess skills in working with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet

GPC-5 ID-3 - know new information technologies to solve the tasks in their professional activities, work with specialized information databases

13. The use of computer programs for veterinary accounting and reporting in veterinary institutions.
14. Providing information to the state information support system in the field of agriculture. The purpose and procedure for compiling information (reports) in veterinary medicine.
15. Veterinary accounting and reporting in state veterinary laboratories.
16. Veterinary accounting and reporting in veterinary and sanitary examination laboratories.
17. Veterinary accounting and reporting in the production veterinary service.

Formed competence: **GPC-7** - Able to understand the principles of operation of modern information technologies and use them to solve problems of professional activity

GPC-7 ID-1 - know modern technical means and information technologies

GPC-7 ID-2 - be able to use modern technical means and information technologies, including elements of machine learning and artificial intelligence, to solve analytical and research problems

GPC-7 ID-3 - possess the skills to use modern technical means and information technologies to solve analytical and research problems

18. Veterinary laboratories. Functions. Powers.
19. Organization of the work of the veterinary and sanitary examination laboratory in food markets. Duties and rights of LVSSE specialists.
20. Entrepreneurial veterinary activity.
21. Participants in veterinary entrepreneurial activity.
22. Veterinary marketing and management.
23. Advertising of veterinary products and services.

Formed competence: **PC-13** - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures

PC-13 ID-1 - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine

24. Management of veterinary affairs in the Russian Federation. Ministry of Agriculture.
25. Department of Veterinary Medicine.
26. Organization of veterinary affairs in the region (territory).
27. Department (section) of veterinary medicine. Its duties and rights.
28. Veterinary service in the city. Its features.
29. Financing of the veterinary service of the Russian Federation.
30. Plan of financial and economic activities of state veterinary institutions.
31. State task for veterinary institutions.

Formed competence: **PC-14** - Organization of preventive immunizations (vaccinations), therapeutic and prophylactic treatments of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of measures for the prevention of animal diseases in order to improve them

PC-14 ID-1 - be able to assess the effectiveness of the preventive measures taken and the methods of their implementation, including using digital technologies

PC-14 ID-3 - know the types of antiepidemiological measures and the requirements for their implementation in accordance with methodological guidelines, instructions, instructions, rules for the diagnosis, prevention and treatment of animals

32. The meaning and functions of the veterinary service in a rural area. Draw a diagram of the organizational structure of the state veterinary service in a rural area.
33. District station for combating animal diseases (RSBBZH).
34. District veterinary clinic, veterinary station, veterinary point. Organization of their work.
35. Rules for drawing up acts for anti-epizootic measures.
36. Regulatory regulation of the provision of veterinary services.
37. Rules for the provision of paid veterinary services.

#### 4.2.2. Questions for the colloquium 8 semester

Formed competence: **GPC-3** - Able to carry out and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex

GPC-3 ID-1 - know the basics of national and international veterinary legislation, legislation on digital technologies in the field of agro-industrial complex, specific rules and regulations governing veterinary activities at the local, national and international levels

GPC-3 ID-2 - be able to find modern, up-to-date and reliable information on veterinary legislation, including the use of digital technologies, rules and regulations governing veterinary activities in a particular region and/or country

GPC-3 ID-3 - to possess the regulatory legal framework and ethical standards in the implementation of professional activities

1. The system of the state veterinary service in the Russian Federation.
2. Federal Service for Veterinary and Phytosanitary Supervision. Structure. Powers.
3. Territorial bodies and organizations of the Federal Service for Veterinary and Phytosanitary Supervision.
4. Types of veterinary services in the Russian Federation. Their interaction.
5. Tasks of the State Veterinary Service of the Russian Federation. Organization of their implementation.
6. Office management in veterinary institutions. Regulatory and legal regulation.
7. Administrative documents.
8. Organizational documents.
9. Information and reference documents.
10. Nomenclature of cases in veterinary institutions. Main sections. Approval procedure.

Formed competence: **GPC-5** - Able to draw up special documentation, analyze the results of professional activity and submit reporting documents using specialized databases

GPC-5ID-1 - be able to apply new information technologies to solve the tasks in their professional activities, work with specialized information databases

GPC-5ID-2 - possess skills in working with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet

GPC-5ID-3 - know new information technologies to solve the tasks in their professional activities, work with specialized information databases

11. The use of computer programs for veterinary accounting and reporting in veterinary institutions.

12. Providing information to the state information support system in the field of agriculture. The purpose and procedure for compiling information (reports) in veterinary medicine.
13. The purpose of veterinary accounting. What is the basis of primary veterinary accounting?
14. Rules for registration of veterinary accounting journals on paper. Storage periods of journals
15. Veterinary accounting and reporting in state veterinary laboratories.
16. Veterinary accounting and reporting in veterinary and sanitary examination laboratories.
17. Veterinary accounting and reporting in the production veterinary service.
18. Veterinary accounting and reporting at poultry farms.
19. Veterinary accounting and reporting in private veterinary clinics.

Formed competence: **GPC-7** - Able to understand the principles of operation of modern information technologies and use them to solve problems of professional activity

GPC-7 ID-1 - know modern technical means and information technologies

GPC-7 ID-2 - be able to use modern technical means and information technologies, including elements of machine learning and artificial intelligence, to solve analytical and research problems

GPC -7 ID-3 - possess the skills to use modern technical means and information technologies to solve analytical and research problems

20. Veterinary laboratories. Functions. Powers.
21. Laboratory of Veterinary and Sanitary Expertise, main tasks, functions.
22. Duties and rights of specialists of the LVSE.
23. Veterinary marketing and management. Advertising of veterinary goods and services.
24. Entrepreneurial veterinary activity. Regulatory regulation.
25. Participants in veterinary entrepreneurial activity.

Formed competence: **PC-13** - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures

PC-13 ID-1 - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine

26. Management of veterinary affairs in the Russian Federation. Ministry of Agriculture.
27. Department of Veterinary Medicine.
28. Organization of veterinary affairs in the region (territory).
29. Department (section) of veterinary medicine. Its duties and rights.
30. Veterinary service in the city. Its features. Financing of the veterinary service of the Russian Federation.
31. Plan of financial and economic activities of state veterinary institutions.
32. State task for veterinary institutions.

Formed competence: **PC-14** - Organization of preventive immunizations (vaccinations), therapeutic and prophylactic treatments of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of measures for the prevention of animal diseases in order to improve them

PC-14 ID-1 - be able to assess the effectiveness of the preventive measures taken and the methods of their implementation, including using digital technologies

PC-14 ID-3 - know the types of antiepidemiological measures and the requirements for their implementation in accordance with methodological guidelines, instructions, instructions, rules for the diagnosis, prevention and treatment of animals

33. The meaning and functions of the veterinary service in a rural area. Draw a diagram of the organizational structure of the state veterinary service in a rural area.
34. District station for combating animal diseases (RSBBZH).
35. District veterinary clinic, main tasks, functions.
36. Veterinary station, main tasks, functions.
37. Veterinary point, main tasks, functions.
38. Rules for drawing up acts for antiepidemiological measures. General requirements.
39. What information should the act on conducting diagnostic studies of animals contain?
40. What information should be included in the animal vaccination certificate.
41. What information should the disinfection certificate contain?
42. Regulatory regulation of the provision of veterinary services.
43. Rules for the provision of paid veterinary services.

### 4.2.3. Colloquium Questions 9th Semester

Formed competence: GPC-3 - Able to carry out and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex

GPC-3ID-1 - know the basics of national and international veterinary legislation, legislation on digital technologies in the field of agro-industrial complex, specific rules and regulations governing veterinary activities at the local, national and international levels

GPC-3ID-2 - be able to find modern, up-to-date and reliable information on veterinary legislation, including the use of digital technologies, rules and regulations governing veterinary activities in a particular region and/or country

GPC -3ID-3 - to possess the regulatory legal framework and ethical standards in the implementation of professional activities

1. Labor rationing of veterinary specialists.
2. Professional standard "Employee in the field of veterinary medicine".

Formed competence: **GPC-5** - Able to draw up special documentation, analyze the results of professional activity and submit reporting documents using specialized databases

GPC-5ID-1 - be able to apply new information technologies to solve the tasks in their professional activities, work with specialized information databases

GPC-5ID-2 - possess skills in working with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet

GPC-5ID-3 - know new information technologies to solve the tasks in their professional activities, work with specialized information databases

3. Accounting, storage and write-off of veterinary property (medicines, disinfectants). Draw up an act for the write-off of medicines used for the treatment of animals.
4. Acceptance and transfer of cases. Inventory.
5. Veterinary accompanying documents (veterinary certificates, veterinary certificates, veterinary certificates). Rules of registration.
6. The procedure for issuing VSD in electronic form (regulatory regulation).

Formed competence: **PC-11** - Development of an annual plan of antiepidemiological measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures

PC-11 ID-1 - be able to collect and analyze information, including veterinary statistics data, necessary for planning preventive antiepidemiological measures, prevention of non-contagious animal diseases, veterinary and sanitary measures

PC-11 ID-2 - know the methods of collecting and analyzing information in veterinary planning, including using information databases

7. Plan of diagnostic studies, veterinary-preventive and antiepidemiological measures. Procedure for drawing up and approval.

8. Planning activities in the event of mass cases of non-contagious animal diseases. Draw up a draft order approving the plan.

Formed competence: **PC-13** - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures

PC-13 ID-1 - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine

9. Planning activities in the event of infectious animal diseases.

10. Responsibilities of enterprises and citizens - animal owners.

11. Responsibilities of enterprises and citizens - producers of livestock products.

12. Responsibilities of federal executive authorities, executive authorities of the constituent entities of the Russian Federation in cases of outbreaks of infectious animal diseases.

Formed competence: **PC-19** - Able to organize monitoring studies using systems for processing large amounts of data and artificial intelligence in professional activities.

PC-19 ID-1 – to know software systems for automatic management of veterinary documentation

PC-19 ID-2 – to possess skills in working with large arrays of veterinary documentation

PC-19 ID-3 – to possess knowledge in the field of artificial intelligence and data analysis

13. Automated system ARGUS, main purpose, goals of creation.

14. Automated system VESTA, main purpose, goals of creation.

15. Automated system SIRANO, main purpose, goals of creation.

16. Automated system MERCURY, main purpose, goals of creation.

17. Automated system HORRIOT, main purpose, goals of creation.

18. Automated system CERBER, main purpose, goals of creation.

19. FGIS "VetIS". Goals of creation. What information does it contain.

20. FGIS "VetIS". Component structure.

#### 4.2.4. Exam questions

Formed competence: **GPC-3** - Able to carry out and improve professional activities in accordance with regulatory legal acts in the field of agro-industrial complex

GPC-3 ID-1 - know the basics of national and international veterinary legislation, legislation on digital technologies in the field of agro-industrial complex, specific rules and regulations governing veterinary activities at the local, national and international levels

GPC-3 ID-2 - be able to find modern, up-to-date and reliable information on veterinary legislation, including the use of digital technologies, rules and regulations governing veterinary activities in a particular region and/or country

GPC -3 ID-3 - to possess the regulatory legal framework and ethical standards in the implementation of professional activities

1. Law of the Russian Federation "On Veterinary Medicine". Its sections and their main content.
2. Powers of the Russian Federation in the field of veterinary medicine.
3. Powers of the subjects of the Russian Federation in the field of veterinary medicine. Do the subjects of the Russian Federation have the right to adopt legislative and regulatory acts on veterinary medicine.
4. Veterinary legislation in the Russian Federation at the present stage.
5. Rationing of labor of veterinary specialists.
6. Professional standard "Employee in the field of veterinary medicine".
7. Types of liability for violation of the Veterinary Legislation of the Russian Federation.
8. Administrative liability for violations of mandatory requirements of Veterinary Legislation and Technical Regulations.
9. Office management in veterinary institutions. Regulatory and legal regulation.
10. Administrative documents.
11. Organizational documents.
12. Information and reference documents.
13. Nomenclature of cases in veterinary institutions. Main sections. Approval procedure.
14. Veterinary medicine in the Russian Federation. Tasks of veterinary medicine.
15. The system of the state veterinary service in the Russian Federation.
16. Federal Service for Veterinary and Phytosanitary Supervision. Structure. Powers.
17. Types of veterinary services in the Russian Federation. Their interaction.
18. Tasks of the State Veterinary Service of the Russian Federation. Organization of their implementation.

Formed competence: **GPC-5** - Able to draw up special documentation, analyze the results of professional activity and submit reporting documents using specialized databases

GPC-5ID-1 - be able to apply new information technologies to solve the tasks in their professional activities, work with specialized information databases

GPC-5ID-2 - possess skills in working with the operating system, with text and spreadsheet processors, with database management systems, with information retrieval systems on the Internet

GPC-5ID-3 - know new information technologies to solve the tasks in their professional activities, work with specialized information databases

1. Production veterinary service. Financing. Material and technical support.
2. The use of computer programs for veterinary accounting and reporting in veterinary institutions.
3. Providing information to the state information support system in the field of agriculture. The purpose and procedure for compiling information (reports) in veterinary medicine.
4. Veterinary accounting and reporting in the therapeutic department of stations for combating animal diseases.
5. Veterinary accounting and reporting in state veterinary laboratories.
6. Veterinary accounting and reporting in veterinary and sanitary examination laboratories.
7. Veterinary accounting and reporting in the production veterinary service.
8. Accounting, storage and write-off of veterinary property (medicines, disinfectants). Draw up an act for the write-off of medicines spent on the treatment of animals.
9. Acceptance and transfer of cases. Inventory.
10. Types of veterinary accompanying documents.
11. Rules for issuing veterinary accompanying documents.
12. Procedure for issuing VSD in electronic form (regulatory legal regulation).

Formed competence: **GPC-7** - Able to understand the principles of operation of modern information technologies and use them to solve problems of professional activity

GPC-7 ID-1 - know modern technical means and information technologies

GPC-7 ID-2 - be able to use modern technical means and information technologies, including elements of machine learning and artificial intelligence, to solve analytical and research problems

GPC-7 ID-3 - possess the skills to use modern technical means and information technologies to solve analytical and research problems

1. Veterinary laboratories. Functions. Powers.
2. Organization of the work of the veterinary and sanitary examination laboratory in food markets. Duties and rights of LVSSE specialists.
3. Veterinary marketing and management. Advertising of veterinary goods and services.
4. Licensing of pharmaceutical activities in the field of drug circulation for veterinary use. IS «HERMES».
5. Entrepreneurial veterinary activity. Participants in veterinary entrepreneurial activity.

Formed competence: **PC-11** - Development of an annual plan of antiepidemiological measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures

PC-11 ID-1 - be able to collect and analyze information, including veterinary statistics data, necessary for planning preventive antiepidemiological measures, prevention of non-contagious animal diseases, veterinary and sanitary measures

PC-11 ID-2 - know the methods of collecting and analyzing information in veterinary planning, including using information databases

1. Plan of diagnostic studies, veterinary-preventive and anti-epidemiological measures. Procedure for drawing up and approval.
2. Methodological recommendations (instructions) for drawing up an annual plan.
3. Requirements for the implementation of measures during the quarantine of animals.
4. Organization of production, introduction and application of vaccines and other means of protecting animals from diseases.
5. Planning of measures in the event of mass cases of non-contagious animal diseases. Draw up a draft order approving the plan.

Formed competence: **PC-13** - Organization of measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures

PC-13 ID-1 - know the types of measures to ensure veterinary and sanitary safety and the requirements for their implementation in accordance with the legislation of the Russian Federation in the field of veterinary medicine

1. Management of veterinary affairs in the Russian Federation. Regulations on the Ministry of Agriculture of the Russian Federation (approved by Decree of the Government of the Russian Federation No. 450 of June 12, 2008). Powers of the Ministry of Agriculture of the Russian Federation in the field of veterinary medicine.
2. The concept of "Veterinary rules". List the rules you know in the field of veterinary medicine.
3. Veterinary rules for the collection, storage, movement, disposal and destruction of biological waste.
4. Veterinary rules for keeping animals.
5. Rules for determining the zoo-sanitary status of pig farms, as well as organizations that slaughter pigs, process and store pig products (compartmentalization).

6. Organization of veterinary affairs in the region (territory). Department (department) of veterinary medicine. Its duties and rights.
7. Financing of the veterinary service of the Russian Federation.
8. Plan of financial and economic activities of state veterinary institutions. State task.
9. Planning of measures in case of infectious animal diseases.
10. Responsibilities of federal executive bodies, executive bodies of the constituent entities of the Russian Federation in cases of outbreaks of infectious animal diseases.
11. Responsibilities of enterprises, organizations - producers of livestock products.
12. Responsibilities of enterprises and citizens - animal owners.

Formed competence: **PC-14** - Organization of preventive immunizations (vaccinations), therapeutic and prophylactic treatments of animals in accordance with the plan of antiepidemiological measures, analysis of the effectiveness of measures for the prevention of animal diseases in order to improve them

PC-14 ID-1 - be able to assess the effectiveness of the preventive measures taken and the methods of their implementation, including using digital technologies

PC-14 ID-3 - know the types of antiepidemiological measures and the requirements for their implementation in accordance with methodological guidelines, instructions, instructions, rules for the diagnosis, prevention and treatment of animals

1. The significance and functions of the veterinary service in a rural area. Draw up a diagram of the organizational structure of the state veterinary service in a rural area. District station for combating animal diseases (RSBBZH).
2. District veterinary clinic, veterinary station, veterinary point. Organization of their work.
3. Veterinary service in the city. Its features.
4. Rules for the provision of veterinary services. Paid and free veterinary services.
5. Rules for drawing up acts for anti-epidemiological measures.

Formed competence: **PC-19** - Able to organize monitoring studies using systems for processing large amounts of data and artificial intelligence in professional activities.

PC-19ID-1 – to know software systems for automatic management of veterinary documentation

PC-19ID-2 – to possess skills in working with large arrays of veterinary documentation

PC-19ID-3 – to possess knowledge in the field of artificial intelligence and data analysis

1. Federal State Information System in the field of veterinary medicine. Creation goals. What information does it contain.
2. IS "VETIS.Passport." Regulatory and legal regulation, goals of creation, component structure.
3. Automated system CERBER, main purpose, goals of creation, register of supervised objects.
4. Automated system ARGUS, main purpose, goals of creation.
5. Automated systems VESTA and SIRANO, main purpose, goals of creation.
6. Regionalization of the territory of the Russian Federation.
7. Automated system MERCURY, main purpose, goals of creation.
8. Special information system Horriot. Marking and accounting of animals.

## **5. METHODOLOGICAL MATERIALS DEFINING PROCEDURES FOR ASSESSING KNOWLEDGE, SKILLS AND EXPERIENCE OF ACTIVITIES CHARACTERIZING THE STAGES OF COMPETENCE FORMATION**

Criteria for assessing students' knowledge when performing a task (practical task):

Mark «excellent» - the student clearly expresses his point of view on the issues under consideration, giving relevant examples.

Mark «good» - the student makes some errors in the answer.

Mark "satisfactory" - the student reveals gaps in knowledge of the basic educational and regulatory material.

Mark "unsatisfactory" - the student reveals significant gaps in knowledge of the basic provisions of the discipline, inability to get the correct solution to a specific practical problem with the help of the teacher.

#### Criteria for evaluating the presentation of reports:

Justification of the choice of literature sources, the degree of disclosure of the essence of the issue, compliance with the time regulations, all the requirements for the preparation and presentation of the report.

Excellent" grade - the problem is identified and its relevance is justified; an analysis of different points of view on the problem under consideration is made and one's own position is logically stated; the topic is fully disclosed, the time limit is observed.

Good" grade - there are shortcomings in the report. In particular, there are inaccuracies in the presentation of the material; there is no logical sequence in judgments; the volume of the report is not sustained.

Satisfactory" grade - the topic is only partially covered; factual errors are made in the content of the report.

Unsatisfactory" grade - a significant misunderstanding of the problem is revealed or the report is not presented at all.

#### Criteria for evaluating students' knowledge during the survey (colloquium):

- Excellent" grade - the student clearly expresses his point of view on the issues under consideration, giving relevant examples.

- The mark "good" -- the student makes some mistakes in the answer.

- The mark "satisfactory" -- the student reveals gaps in knowledge of the basic educational and regulatory material.

- The mark "unsatisfactory" -- the student reveals significant gaps in knowledge of the basic provisions of the discipline, inability to get the right solution to a specific practical problem with the help of the teacher.

#### Criteria for assessing students' knowledge during testing:

The test result is evaluated on a percentage scale of assessment. Each student is offered a set of test tasks of 25 questions:

**Mark "excellent"** – 25-22 correct answers.

**Mark "good"** – 21-18 correct answers.

**Mark "satisfactory"** – 17-13 correct answers.

**Mark "unsatisfactory"** – less than 13 correct answers

#### Criteria for assessing knowledge during the test:

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

**A grade of "fail"** should correspond to the parameters of a grade of "unsatisfactory."

**A grade of "excellent"** means that all types of academic work stipulated by the curriculum have been completed. The student demonstrates that their knowledge, skills, and abilities correspond to the indicators in the tables, uses the acquired knowledge, skills, and abilities, and applies them in situations of increased complexity. At the same time, inaccuracies and difficulties may occur during analytical operations and the transfer of knowledge and skills to new, non-standard situations.

A **grade of “good”** means that all types of academic work stipulated by the curriculum have been completed. The student demonstrates that their knowledge, skills, and abilities correspond to the indicators in the tables, uses the acquired knowledge, skills, and abilities, and applies them in standard situations. At the same time, minor errors, inaccuracies, and difficulties may occur during analytical operations and the transfer of knowledge and skills to new, non-standard situations.

A **grade of “satisfactory”** means that one or more types of academic work stipulated by the curriculum have not been completed. The student demonstrates an incomplete correspondence of knowledge, skills, and abilities to the indicators in the tables, significant errors are allowed, a partial lack of knowledge, skills, and abilities is manifested in a number of indicators, and the student experiences significant difficulties in operating with knowledge and skills when transferring them to new situations.

A **grade of “unsatisfactory”** means that the types of academic work stipulated by the curriculum have not been completed. The student demonstrates an incomplete correspondence of knowledge, skills, and abilities to the indicators in the tables, significant errors are allowed, a lack of knowledge, skills, and abilities is manifested in a larger number of indicators, and the student experiences significant difficulties in operating with knowledge and skills when transferring them to new situations.

#### Criteria for assessing knowledge during the exam:

A **grade of “excellent”** means that all types of academic work stipulated by the curriculum have been completed. The student demonstrates that their knowledge, skills, and abilities correspond to the indicators in the tables, uses the acquired knowledge, skills, and abilities, and applies them in 44 situations of increased complexity. At the same time, inaccuracies and difficulties may occur during analytical operations and the transfer of knowledge and skills to new, non-standard situations.

A **grade of “good”** means that all types of academic work stipulated by the curriculum have been completed. The student demonstrates that their knowledge, skills, and abilities correspond to the indicators in the tables, uses the acquired knowledge, skills, and abilities, and applies them in standard situations. At the same time, minor errors, inaccuracies, and difficulties may occur during analytical operations and the transfer of knowledge and skills to new, non-standard situations.

A **grade of “satisfactory”** means that one or more types of academic work stipulated by the curriculum have not been completed. The student demonstrates an incomplete correspondence of knowledge, skills, and abilities to the indicators in the tables, significant errors are allowed, a partial lack of knowledge, skills, and abilities is manifested in a number of indicators, and the student experiences significant difficulties in operating with knowledge and skills when transferring them to new situations.

A **grade of “unsatisfactory”** means that the types of academic work stipulated by the curriculum have not been completed. The student demonstrates an incomplete correspondence of knowledge, skills, and abilities to the indicators in the tables, significant errors are allowed, a lack of knowledge, skills, and abilities is manifested in a larger number of indicators, and the student experiences significant difficulties in operating with knowledge and skills when transferring them to new situations.

## **6. ACCESSIBILITY AND QUALITY OF EDUCATION FOR PERSONS WITH DISABILITIES**

If necessary, disabled people and people with disabilities are given additional time to prepare an answer on the test.

When assessing the learning outcomes of persons with disabilities and persons with disabilities, their own technical means may be used.

The procedure for evaluating the learning outcomes of disabled persons and persons with disabilities in the discipline provides for the provision of information in forms adapted to their health limitations and information perception:

For persons with visual impairments:	– in printed form in large print, – in the form of an electronic document.
For persons with hearing impairments:	– in printed form, – in the form of an electronic document.
For persons with musculoskeletal disorders	– in printed form, apparatus: – in the form of an electronic document.

When conducting the procedure for evaluating the learning outcomes of disabled persons and persons with disabilities in the discipline, the following additional requirements are ensured, depending on the individual characteristics of the students:

- a) instructions on the procedure for conducting the assessment are provided in an accessible form (orally, in writing);
- b) accessible form of providing assessment tools (in printed form, in printed form with enlarged font, in the form of an electronic document, assignments are read by the teacher);
- c) accessible form of providing answers to assignments (in writing on paper, typing answers on a computer, orally).

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

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