Federal State Autonomous Educational Institution of Higher Education «Peoples' Friendship university of Russia» Agrarian Technological institute

PROGRAM

State final examination The direction of training (specialty) 36.06.01 Veterinary and animal science

Graduate's qualification; Researcher. Mentor-researcher The direction of programme (profile, specialty):

06.02.01«Diagnostic of diseases and animals' therapy, pathology, oncology and morphology»

Qualifications (degree) graduate: Researcher. Teacher-researcher

Moscow

1. General Provisions

1.1. Responsibilities and procedures for the preparation and conduct of the state final tests in the People's Friendship University, as well as a list of the order, the time required for the documents required for implementation of the state final examination, between the structural units determines the procedure certification of for conducting the final state students. 1.2. State final examination on the direction of training (specialty) 36.06.01 "Veterinary meGPCine and animal science" (training of highly qualified personnel (post-graduate)) includes the delivery of state examination in direction and profile of training and defense of final qualifying work in the form of scientific presentations. paper a 1.3. The results of any of the types of certification tests, included in the state final examination are determined by assessments of "excellent", "good", "satisfactory", "unsatisfactory".

2. Aims and objectives of the state final examination
2.1. The purpose of the state final examination is to determine that the results of development of basic educational programs studying OS requirement in PFUR / GEF
IN.

2.2. The objectives of examination the state final are: - Quality control person training basic laws of natural science phenomena and required in professional activities: - Determining the level of theoretical and practical training for graduates to perform with qualifications professional tasks in accordance the obtained; - The establishment of the degree of the individual pursuit of self-development, improving their qualifications and skills: - Check the formation of a sustainable motivation for professional activity in accordance with the provided OS IN PFUR / GEF IN professional activities; - Testing the ability to find the organizational and managerial decisions in unusual

situations and a willingness to take responsibility for them; - Ensuring the integration of education, scientific and technical activities, more efficient use of scientific and technological achievements, the reform of the scientific sphere to stimulate innovation: - Ensuring the quality of training in accordance with the requirements of the OS IN PFUR / GEF IN.

StateExaminationProgram.2.1.Stateexamisconductedverbally.2.2. As part of the stateexamination verified the degree of development of the
graduates of the following competencies:

A)Universal jurisGPCtion: generating new ideas in solving the research and including in interdisciplinary practical tasks. fields (UC-1): the ability to design and implement integrated research, including interdisciplinary, a holistic system of scientific outlook on the knowledge of the history and of philosophy science (UC-2); willingness to participate in the work of Russian and international research teams address scientific and educational tasks (UC-3); to willingness to use modern methods of scientific communication and technology at the state and foreign languages (UC-4);

Ability of follows to ethic norms in professional activity (UC -5);

Ability of plans and solves own professional and personality development tasks (UC -6).

Graduate mastered PhD programme should has the next <u>general professional</u> <u>competences:</u>

Holding necessary knowledge system in area appropriate to the direction of preparing (GPC-1);

Holding methodology of researches in area that appropriate to the preparing direction (GPC-2);

Holding culture of research including using very new informationcommunication technologies (GPC-3);

Ability of use efficient research methods in an independent research activity appropriate to the direction of preparing (GPC-4);

Preparedness of organize research collective work in scientific branch appropriate to the direction of preparing (GPC-5);

Ability of self-improvement based on traditional morality (GPC-6);

Preparedness of mentor's activity at higher educational programme (GPC-7);

Ability of own motivated decisions in non-standard situations and preparedness to be responsible for its aftermath (GPC-8).

A graduate mastered PhD programme should to has the next <u>professional</u> <u>competences:</u>

Ability of understand contemporary veterinary and animal science problems and to use fundamental representations in professional activity sphere for positing and solving of new tasks (PC-1);

Ability to use the basic theories, concepts and principles in chosen activity area, ability of systematic thought (PC -2);

Having information independent analysis, finding a fundamental problemmes, positing of research tasks and goals, doing laboratory researches at solving the tasks in specialty using contemporary aperture and computational means, demonstrating responsibility for quality of work and science outcomes truly (PC -3);

Knowledge of veterinarian and animal science history and methodology increasing fundamental general professional preparing (PC -4);

Ability of creatable using contemporary computational technologies at collecting, saving, working, analyzing and transferring of information (PC -5);

Ability of understand and deep think philosophy natural science concepts, place of veterinary and animal science in output science thought (PC -6);

Using skills of professional collectives' work organization and guide, ability of interdisciplinary communication and free business communication in Russian and foreign languages, work in international collective (PC -7);

Ability of outcomes researches and production-technology works professional arrangement and presentation in approved forms (PC -8);

Using of normative documents' knowledges stalemating organization and method of realization researches and production-technology works, ability of lead work collective, provide limits of production security (PC -9);

Existence of forming studying stuff skills, reading lectures, readiness to mentoring in a higher school and leading students researches (SR), skills of studying stuff presentation in oral, written and graphic forms for different group of listeners (PC -10).

A: The volume of state exam: Questions for the DPA contains 25 tickets. Each ticket contains 4 issue: 2 questions regarding pedagogy of higher education and 2 questions in the part of the discipline of specialization.

B. Contents of the state exam:

In terms of Higher School Pedagogy

1. General characteristic of the basic theoretical and methodological aspects of the Higher School of Pedagogy. 2. development of education in Russia Current and abroad. 3. Fundamentalizatcija education in high school. 4. The object and subject of study of pedagogy and psychology of higher education.

5. Brief description of the current state of higher education in Russia. 6. Current trends in higher education abroad, and the prospects for the development of higher education. 7. Informatization of education in higher education. 8. General description of the main theoretical and methodological aspects of psychology of higher education. pedagogy and 9. The current development of education in Russia and abroad. 10. Fundamentalizatcija education high school. in

11. The object and subject of study of pedagogy and psychology of higher education.

12. Brief description of the current state of higher education in Russia. 13. Modern trends in higher education abroad, and the prospects for the development of higher education. 14. Declaration and The Bologna the Bologna process. 15. Didactics of higher education. The general concept of didactics. 16. of the competence The essence approach in education. 17. **Characteristics** of the structure of educational activities. 18. Pedagogical skills and pedagogical skills of high school teacher. 19. The forms of organization of educational process in high school. 20. Activities consciousness as the main characteristic of the subject of education in higher education. 21. The general concept of activity.

22. cognitive **Activities** and processes. Learning activity. as an the 23. Trends in development of innovation in higher education. 24. **Problems** of innovation high school teachers. 25. The place of the lecture the university. at workshops 4. Seminars and in high school. 5. Independent work of students as the development and self-organization of students of personality. pedagogical of 6. Fundamentals monitoring in high school. 7. The introduction of achievements of science and dissemination of advanced pedagogical experience as a process of innovation in higher education. 8. designing in Pedagogical high school. 9. Pedagogical technologies their classification. and 10. Modular Training in the context of the modernization changes in the Russian of higher education. system concept 11. principles The and of modular training. 12. Technology problem-based learning.

13. Trends and ideas of innovation activity of high school teachers. 14. Technology semantic-contextual learning. Business game as the leading form. 15. Characteristics of case-method. 16. Characteristics of method of projects. a 17. Heuristic learning technology. 18. Technology developing training. of 19. The distance learning technology. 20. Onlain webinars technology. training based 21. Theory of planned formation of intellectual actions as an example of a consistent realization of the activity learning. approach to problems of education 22. Psychology and the in higher education. 23. Characteristics of of the structure personality. 24. Characteristics of personality development. 25. Development of creative thinking of students in the learning process. 26. Psycho in high school. of the professional activities of the university 27. Analysis teacher. 28. Psychological factors of the successful training of students in high school. discipline specialization (profile 06.02.01) in of the of a part 1. Diseases of the urinary (pyelitis, urolithiasis). tract urotsistit, 2. of external Diseases the female genitalia. 3. Productive animal health. Components of the overall prevention of domestic non-communicable diseases.

4. Hemorrhagic diathesis (hemophilia, thrombocytopenia, krovopyatnistaya disease).

5. Principles of treatment (prophylactic, physiological, complex active, feasibility).
 6. General and local anesthesia (methods, inGPCations and contrainGPCations).
 7. Syndrome metritis-mastitis-agalactia.
 8. Treatment of tumors

9. Methods of nonspecific supportive therapy (hemotherapy, proteino-, lizatoterapiya, tissue therapy).
10. Bleeding and blood loss (clinical picture, how to stop bleeding).
11. Means of treatment (mechanical, physical, chemical and biological).
12. The therapy, which regulates neuro-trophic function (blockade of the autonomic nervous system in the internal non-communicable diseases).
treatment methods focus on the therapeutic effect (causal, pathogenetic, symptomatic, replacement).

13. Diseases of the myocardium (myocarditis, myocardosis, miokardiofibroz, myocardiosclerosis).

14. Diet therapy of internal diseases of animals. 26. diseases of reproduction animals. Oncological the of small amyloidosis, 27. Diseases of the liver (hepatitis, steatosis, cirrhosis). Diseases of the hoof in horses (diagnosis, treatment, prevention). diagnosis, 28. endometritis (etiology, treatment. prevention). 29. Diseases of the pleura (pleurisy, hydrothorax, hemothorax, pneumothorax, chylothorax).

30. Colic in horses (classification, diagnosis, and therapy). Anemia (hemorrhagic, hemolytic, aplastic, aplastic). 31. of pericardium (pericarditis, hydropericardium). Diseases the 32. Kidney disease (nephritis, nephrosis, nefrosileroz, pyelonephritis). 33. of muscle Diseases the and tendon and ligaments. 34. Diseases of the proventriculus of ruminants (atony, timbrels, parakeratosis scar, traumatic reticulo).

35. Diseases of metabolism in carnivorous animals (classification, diagnosis, treatment, prevention).

36. Disorders of mineral metabolism 37. Functional CNS diseases (stress, neurosis, epilepsy, eclampsia). 38. Rheumatic inflammation of hoof. the 39. The non-contagious disease etiology newborns.

40. Disorders of protein and carbohydrate metabolism (ketosis, myoglobinuria, alimentary dystrophy, obesity). 41. Organic diseases of the CNS (solar and thermal shocks, inflammation of the spinal brain and cord and membranes). 42. Injuries animals. Preventive measures. 43. Diagnosis of disorders of the valve system of the heart 44. Diagnosis of mediastinal disease Special 45. methods modern diagnosis of disease of heart 46.The principles of diagnostic CT 47.The principles of ultrasound diagnostics 48.The principles of diagnostics x-ray 49.Diagnosis Diseases of Lung 50.Diagnosis of pleural diseases 51. Purulent pleurisy 52.Diagnosis of Liver Diseases 53.Diagnosis of Kidney Diseases 54.Diagnosis of diseases of the urinary system 55.The development of tumors of milk 56.Neoplasms packages 57.Neoplasms of the internal organs 58.Neoplasms of tissue bone of diagnosis 59.Pathologic processes acute 60.Methods of pathology diagnostics 61. DBC- syndrome discipline specialization (profile 06.02.02) in a part of the of

1. The development of bacteria growth and 2. Effect of physical factors microorganisms on 3. Influence of biological microorganisms factors on differences in consistency, origin Culture media and and destination 4.

5. Sterilization filtration of UV and rays 6. of The pathogenicity virulence microorganisms and 7. Simple complex staining and methods infection. infection infectious 8. The concepts of and diseases Ways of introduction and spread of pathogenic bacteria in organisms 9. 10. The method of Gram stain solid 11. seeding technique of microorganisms nutrient media on 12. method of sterilization The wet steam The 13. method of staining microorganisms Ziehl-Nielsen on 14. The of sterilization concepts and use in practice 15. **Bacteriological** examination 16. The effect of environmental factors the body on 17. Sanitary air biological research 18. Antibiotics 19. of The infection concepts Specific 20. and acquired immunity 21. The breath of microorganisms (aerobic and anaerobic types of respiration) 22. hemagglutination and its variants. 23. Epizootology and the doctrine of infectious diseases in the modern structure of veterinary education. and science practice. 24. Epizootic process. Driving forces, conditions, mechanisms of development and manifestations.

25. Sources of infection and transmission of pathogens. Infection and the infectious pathogenesis of diseases. 26. Acquired immunity. The anti-infective immunity. Susceptibility, resistance, immunological 27. The of reactivity. protective system the body. 28. The active specific prophylaxis of infectious diseases and its organization. 29. Immunological aspects of infectious diseases (vaccination reaction and postvaccination complications, immunopathology).

30. The scientific basis for the organization and implementation of anti-epizootic work.

31. Treatment of Infectious Diseases. 32. Diagnostic Theory and Practice of Epidemiology. 33. Disinfection (disinfection and disinfestation). The role and place in the antiepizootic measures. 34. Geographical and Veterinary epizootology. Natural focal infections. 35. Epizootologichesky research method. 36. Features of prevention of infectious animal diseases in specialized farms. 37. Natural history and economics major infections. history 38. The of fight the against germs and viruses. 39. The international global aspects of Epidemiology. and 40. Acute epizootic infection of birds (except for Newcastle disease). Infectious diseases in rabbits. and laboratory animals. 41. Infections common animals. humans to and 42. Rabies. 43. Leukemia. 44. Infectious diseases of carnivores. 45. Classical swine fever. 46. industrial livestock infections (RTIs. diarrhea. Viral parainfluenza). 47. Infectious diseases of animals in the city. infections. young 48. Particularly dangerous and exotic cattle infections (plague, ephemeral fever). 49. **Mycoses** and mycotoxicosis. 50. Infectious diseases of fish and bees.

in a part of the discipline of specialization (profile 06.02.10)1. Observation and experiment as the basic methods of research in biological science.

2. Research and economic, physiological and production experience.

3. The principle of the comparison as a method of setting the experiment. 4. methods, built on the principle of similar experimental groups. Methods experiment, built on the principle of group-periods. 5. of 6. Technique of experiments. Ethology experimental animals. Adaptive plasticity animals.

7. Methods of studying the growth and development of young animals. 8. Modern methods of selection and breeding work. of 9. reproductive of animals. Evaluation the capacity of 10. Evaluation the productivity of animals. 11. The basic elements of the theory of statistical hypothesis testing, the criteria for dependence signs and homogeneous data. **Biostatistics**. on 12. The role of technology and the growing conditions on the formation of productive qualities of animals. 13. The effect of the level of reproductive function in the productivity of animals. 14. The system of care for the animals as a factor that determines the formation of of productive qualities animals. 15. Characteristics of process parameters during the growth of young cattle. 16. Characteristics of process parameters during the growth of young pigs. 17. Characteristics of the technological parameters for growing young sheep. 18. Characteristics of process parameters during rearing of poultry of different species.

19. Characteristics of the technological parameters for growing young pets (dog, cat).

20. Evaluation methods of animal by phenotype. 21. Evaluation of methods animal genotype 22. Genetic markers. The advantages of genetic markers in front of the usual signs. 23. of Methods molecular genetic analysis in animal husbandry. 24. The role of external factors in the formation of productive traits in animals. 25. The effect of feeding on the growth rate of young animals and the quality of products. meat

26. The effect of feeding on the rate of growth of young animals and milk production.

27. The effect of feeding on meat and egg productivity in hens. 28. The effect of the level of reproductive function in the productivity of animals. 29. **Methods** of animal breeding. 30. Methods of preparation, evaluation and conservation of semen animals. 31. The theoretical background of the method of transplantation of embryos. 32. function of animals. Milk yield and reproductive 33. function of animals. Meat efficiency and reproductive 34. production reproductive function of and poultry. egg 35. Marker-dependent selection animals. of 36. Genomic breeding animals. 37. Polymerase chain reaction (PCR). 38. The restriction fragments length polymorphism (RFLP). PCR-RFLP. 39. DNA Sequencing. chips.

40. The concept of thermoregulation of the body, its relationship with homeostasis. Mechanisms of thermoregulation of the body and how to use them. 41. The climatic and weather conditions and their impact on health and productivity.

42. aerostasis and measures to combat harmful gases indoors.43. zoohygienic requirements for soil and water quality and the impact on animal productivity.

44. Methods of quality control of water and ways to improve it. 45. Prevention of animal diseases as a result of violations of sanitary rules and norms of feeding. 46. The use of feed additives, mycotoxins and mycotoxin prevention in animals. resistance of 47. The natural the body and ways to improve it. 48. the of health of Methods for monitoring state animals. 49. Prevention of stress caused by uncomfortable conditions of detention. 50. Environmental issues air monitoring, water, soil, feed.

3. Guidelines for the preparation and delivery of the final state exam

Recommended reading:

Higher School Pedagogy

Smirnov SD Pedagogy and Psychology of Higher Education: from the activity for the individual [electronic resource]: A manual for schools / SD Smirnov. -. 5 th ed., A stereotype ; Electronic text data. - Moscow: Academy, 2010.
 - 400 p.

2. Kanke VA History, philosophy and methodology of pedagogy and psychology [Text / electronic resource]: A manual for schools / VA Kanke; Ed. M.N.Berulavy. - Electronic text data. - M.: Yurayt, 2014. - 487 p. 3. Atabekova AA Communication skills formation of foreign language communicative competence of students in a multicultural multi-level training group [electronic resource]: Monograph / AA Atabekova, Belenkova NM -Moscow: Publishing House of People's Friendship University, 2010. - 326 p. 4. Verbitsky AA Personal and competent approach in education: problems of integration [Text / electronic resource]: Monograph. - Electronic text data. -Moscow: 2009. 2010. 2013. 336 Logos, p. 5. Philosophy of Education in a multicultural society of the 21st Century: Collected articles. Issue 2 / Ed. V.M.Filippova; Ed. Number .: N.S.Kirabaev, A.V.Semushkin. - Moscow: Publishing House of People's Friendship University, 2011. 238 p. 6. Ruzavin GI The methodology of scientific knowledge [Text]: A manual for schools / GI Ruzavin. - Moscow: UNITY-DANA, 2013. - 287 p. 7. Savvina OV Academic ethics: current problems and solutions [Text]: Textbook / OV Savvina. - Moscow: Publishing House of People's Friendship 2014. 94 University, p. 8. Philosophy of Education in a multicultural society of the 21st Century: Collected articles. Issue 2 / Ed. V.M.Filippova; Ed. Number .: N.S.Kirabaev,

A.V.Semushkin. - Moscow: Publishing House of People's Friendship 2011. 238 University, p. 9. Shadrikov VD Professional abilities [Text]: Monograph / VD Shadrikov. -M.: University 2010. 320 Book. p. 10. The quality of higher education / Ed. M.P.Karpenko. - Moscow: Publishing House of the SSU, 2012. - 291 p. : Ill. - ISBN 978-5-8323-0824-1: 0.00. Profile 06.02.01

animal diseases / under total. Ed. 1. Domestic G.G.Scherbakova, - AS Saint-Petersburg .: "Lan", 2009. - 736 p. A.V.Korobova. 2. Workshop on domestic animal diseases / under total. Ed. G.G.Scherbakova, A.V.Korobova. AS Saint-Petersburg .: "Lan". _ 2003. 3. NV Danilevskaya, AV Korobov, SV Starchenkov, GG Shcherbakov. Reference veterinary practitioner. / Ed. AV Korobov, GG Scherbako-va. "MeGPCine World" series. - SPb .: Publishing. "Hind", 2000, 384 p. 4. IP Kondrahin, KV Smoking and other Clinical Laboratory diag-nostika veterinary use:. Ouch. pos. - M .: Agropromizdat, 1985, 287 p. 5. IP Kondrahin Nutritional and endocrine diseases of animals. -M .: Agropromizdat, 1989. 256 p. 6. Reference veterinarian. NM Altukhov etc. -. M .: Kolos, 1996, 622s 7. IA Kalashnik et al. Non-communicable diseases loshadey.- M .: Agro-izdat, 1990,272s.

8. SV Starchenkov Diseases of the small animals: diagnosis, treatment, prevention. Series "Textbooks for schools. Special literature. " - SPb. Univ. "Lan", 1999, 512s.
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Infectious animal diseases \ ed. A.A.Kudryashova and A.V.Svyatkovskogo. St. Petersburg, 2007. -. 608, p.
 Fundamentals of infectious immunology \ V.V.Makarov etc. -. Vladimir-Moscow, 2000. -200 p.
 The method of research Epizootologichesky \ V.V.Makarov, O.I.Suharev etc.

SPb., 2009. 224. 4. VV Makarov Essays on the history of the fight against infectious diseases -2008. 220 M., p. 5. Makarov VV Epizootology and infectious diseases in questions and answers. М., 2003.-192s. 6. Socio-legal bases of veterinary activities in Russia. Collector of normative documents and samples \ ed. V.M.Avilova. St. Petersburg, 1995. -. 255. 7. A list of the OIE and transboundary disease \ V.V.Makarov, O.I.Suharev etc. 2010. 142. 8. Epizootologichesky lexicon \ V.V.Makarov, O.I.Suharev etc. -. M., 2001. -176 p. Profile 06.02.10 1. Health of farm animals: a 2 kN. Textbook. / AF Kuznetsov, M. Demchuk, Karelin AI - M .: Kolos.- 1999. - 399 p. Kuznetsov, AF Hygiene animal: a handbook / AF Kuznetsov St. Petersburg .: "Lan" Publisher, 2003.-640 with. 2. zoohygiene the basics of designing livestock facilities: studies. for schools / Μ 2007 MS Naydensky .: KolosS. 458s. etc. 3. zoohygiene the basics of designing livestock facilities: Electronic educational and methoGPCal complex (EUMK) ./ Zabudskii YI, Kamalov RA, Kocsis II, AV MS Tadjiev Μ Μ 2008. Navdensky Totoeva .E.-.: 4. Lumbunov SG Productivity and resistance of dairy cattle Buryatia. - Ulan-Ude 2001. 5. Workshop on zoogigiene the basics of designing livestock facilities:

Textbook for high schools. /A.F. Kuznetsov, MS Naydensky, VM Kozhurin, VI Kalyuzhny. KolosS.-Balanin, NS -M .: 2007.-343 with. 6. Bolshakova MV Physiological inGPCators and technological features of use ippoterapevticheskih horses / Monograph / M.V.Bolshakova; Ros. state. Univ. 2009 45c. agrarian. zaoch. Moscow. 7. Voltchkova LA Sanitary-hygienic assessment of feed properties: Lektsiya., Moscow, 1999.

8. AN Golikov A.N. Adaptation of farm animals / AN Golikov - M .: 1985. Agropromizdat 216c

9. ND Diseases sobak.-Moscow; Niva. Teeth 1996. EP Yevglevsky Effect mode lighting 10. Navdensky MS. on birds // rezisteshgnost Poultry, №6,1985. 11. Naydensky MS, IS Slot et al. The use of succinic acid in stressful conditions ?; to increase resistance in chickens. 1995. 12. Naydensky MS Zoogigiekicheskie effective ways to improve the resistance of birds and in the conditions of resource-saving technologies: MethoGPCal rekomendatsii., 1998. Moscow, 13. IN Nikitchenko, Adaptation, stress and productivity of farm animals / IN Nikitchenko, SI Plyaschenko, AS Zenkov Mn .: 1988. Uradzhay 5 107c

4. Evaluation means for establishing in the certification tests of compliance / non-compliance level of training of graduates who have completed the development of OP IN towards training / specialty requirements of the relevant OS IN PFUR/GEF IN. The list of competencies that the student must acquire as a result of the development of the educational program:

A)Universal juris GPC tion: generating new ideas in solving the research and practical including in fields tasks. interdisciplinary (UC-1); the ability to design and implement integrated research, including interdisciplinary, a holistic system of scientific outlook on the knowledge of of the history and philosophy science (UC-2); willingness to participate in the work of Russian and international research address scientific and educational teams to tasks (UC-3); willingness to use modern methods of scientific communication and the technology at and foreign languages (UC-4); state the ability to follow ethical standards in their professional activities (UC-5); the ability to plan and solve problems of their own professional and personal

development

(UC-6).

B) General professional competences: possession of the necessary knowledge of the system in an area corresponding direction of the preparation (GPC-1); to possession of research methodology in the corresponding direction of preparation (GPC-2); ownership culture of scientific research; including using the latest information and communication technologies (GPC-3); the ability to use effective methods of research in independent research activities in the field relevant field of study (GPC-4); willingness to organize a research team working in the scientific field, direction relevant training (GPC-5); the ability to self-improvement on the basis of traditional morality (GPC-6); readiness to teaching in educational programs of higher education (GPC-7); ability to make independent decisions motivated in unusual situations and willingness to take responsibility for their consequences (GPC-8). B) Professional competence:

Ability of understand contemporary veterinary and animal science problems and to use fundamental representations in professional activity sphere for positing and solving of new tasks (PC-1);

Ability to use the basic theories, concepts and principles in chosen activity area, ability of systematic thought (PC -2);

Having information independent analysis, finding a fundamental problemmes, positing of research tasks and goals, doing laboratory researches at solving the tasks in specialty using contemporary aperture and computational means, demonstrating responsibility for quality of work and science outcomes truly (PC -3);

Knowledge of veterinarian and animal science history and methodology increasing fundamental general professional preparing (PC -4);

Ability of creatable using contemporary computational technologies at collecting, saving, working, analyzing and transferring of information (PC -5);

Ability of understand and deep think philosophy natural science concepts, place of veterinary and animal science in output science thought (PC -6);

Using skills of professional collectives' work organization and guide, ability of interdisciplinary communication and free business communication in Russian and foreign languages, work in international collective (PC -7);

Ability of outcomes researches and production-technology works professional arrangement and presentation in approved forms (PC -8);

Using of normative documents' knowledges stalemating organization and method of realization researches and production-technology works, ability of lead work collective, provide limits of production security (PC -9);

Existence of forming studying stuff skills, reading lectures, readiness to mentoring in a higher school and leading students researches (SR), skills of studying stuff presentation in oral, written and graphic forms for different group of listeners (PC -10).

Questions about the DPA contains 25 tickets. Each ticket contains 4 issue: 2 questions regarding pedagogy of higher education and 2 questions in the part of the discipline of specialization. Each question is assessed separately on the "five-point" scale. The final grade is derived as the arithmetic average score for the 4 questions.

The scale of assessment for oral answer: "5" **Evaluation** (excellent) if: is placed, of Fully disclosed content the material examination the card: The material is presented correctly, in a certain logical sequence; systemic demonstrated and deep knowledge of program material; Similarly, the terminology used; - shown the ability to illustrate the theoretical principles with specific examples, to apply them in situations; new - demonstrated uptake previously studied related issues, Maturity and stability of competences skills: and The independently, sounded without leading questions; answer - Demonstrate the ability to creatively apply knowledge of theory to the solution of professional problems; - Demonstrated knowledge of modern educational and scientific literature; - Admitted 1-2 inaccuracies in the light of secondary issues that are corrected by the remark.

The "4" (good) rating of is placed. if: Questions exam material sets out systematically and consistently; - Demonstrated ability to analyze the material, but not all the conclusions are reasoned and demonstrative character; of Demonstrated understanding basic literature: - A satisfies the basic requirements of the evaluation "5", but it has one disadvantage:

as submitted by eligible small spaces, not to distort the content of the response; 1-2 admitted shortcomings in covering the main content of the response that is fixed by the remark of the examiner: mistakes or shortcomings 2 while covering minor problems that are easily corrected by the remark of the examiner. "3" is if: **Evaluation** of (satisfactory) put. - incomplete or inconsistent disclosed the content of the material, but shows the general understanding of the issue and demonstrated skills, sufficient for further assimilation of the material; categories for consideration learn basic and additional issues: - There were difficulties or mistakes in definition of concepts, the use of that terminology is fixed after few leading a questions; - Incomplete knowledge of theoretical material found insufficient Maturity of

competence and skills, the student can apply the theory to the new situation; Demonstrated understanding of basic literature. "2" The of (unsatisfactory) placed. if: rating is Not disclosed the basic content of educational material: Detected ignorance or misunderstanding more or most important part of teaching material;

A mistake in identifying the concepts and use of terminology that is not correctedafterafewleadingquestions;Not formed competence and skills.

5.Requirementsforthefinalqualifyingwork.To protect the FQW allowed the student who has passed the state examination.Protection WRC held in an open meeting of the State Examination Commission (SEC).

WRC is the protection of research results carried out by students in the form of a scientific paper demonstrating the readiness of the graduate to conduct professional scientific pedagogical activity. and Sci-qualification work should be written in their own graduate students, have internal unity and maintain the position put forward for public protection should indicate personal contribution to the task of post-graduate students, of significant importance for science in accordance with the teaching focus. Proposed by the author outlet scientific qualification work decisions must be reasoned and evaluated in comparison with other known solutions. Requirements for final qualifying work are determined by GOST R 7.0.11-2011 OS IN PFUR for graduate school programs in the direction of preparation 36.06.01 "Veterinary medicine and animal science" and the criteria established by the Ministry of Education and Science for scientific qualifying work (thesis) on competition scientific degree of candidate of sciences. FQW is estimated on the basis of the following criteria:

	Criteria for assessing	the maximum score
1.	The relevance of the research	10

2.	The level of the methodological study of the	10
	problem (the theoretical part of the work)	
3.	The validity of the findings and the degree of	10
	validity, the recommendations of the provisions	
	submitted for protection	
4.	The degree of elaboration of the research problem	10
	presented in the introduction of work and abstracts	
5.	The novelty of the study. The practical	10
	significance of the results of the study	
6.	The methodical apparatus of investigation and a	10
	degree of reliability of the results of applied	
	research	
7.	Level of research methods in the field of scientific	10
	specialty	
8.	recommendations on areas for further research	10
	technologies within the perspective of scientific	
	work	
9.	Originality of findings, conclusions and proposals	10
	presented in the text, abstracts and publications,	
	graduate student	
10.	Scientific knowledge graduate students in	10
	answering the questions	

Table of correspondence points and assessments for certification

The points rating system	Traditional rate in RF	Rate ESTC
95-100	Excellent	А
86-94	5	В
69-85	Good	С

	4	
61-68	Satisfactorily 3	D
51-60		Ε
31-50	unsatisfactorily	Fx
0-30		F

If the results of the protection of scientific reports, none of the above criteria has not been rated unsatisfactory by most members of the State examination commission and the amount of points exceeds 50, SEC gives a positive assessment of the protection of scientific reports and Agrarian Technological Institute of People's Friendship University draws up an opinion on the recommendations of scientific qualification work (thesis) to the defense for the degree of candidate of veterinary, biological and agricultural sciences.

Developer:

and animal science

Associate Professor, Department of Veterinary Medicine Director of Department Veterinary medicine

Karamyan A.S.

Vatnikov Yu.A.