

Документ подписан простой электронной подписью  
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## Questions for preparation for the State Final Attestation

Dear students! Please note the following provisions:

1. These questions are used to **prepare for the** State Interdisciplinary Examination
2. The wording of a **question on an examination ticket** may differ from the wording of a **preparation question** and may contain only part of the question given to you for **preparation**. For example, if the **preparation question** reads "Disease N. Diagnosis, treatment, prevention", then the question on **the examination paper** may read "Disease N. Treatment." In this case, you should concentrate on answering the question on the treatment of disease N after the general concepts of disease N have been covered.
3. Please note that the remaining parts of the **preparation question** wording (in our example, diagnosis and prevention of N disease) may be raised during your answer to the GEC members if this helps to clarify your knowledge of the **question in the examination paper**.

### General Knowledge, Pathology, IAB

1. Organizational and legal foundations of veterinary science in the Russian Federation. Law of the Russian Federation "On Veterinary Medicine".
2. Federal State Information System in the field of veterinary medicine. Tasks and structure of the system. Examples of the main blocks of the system.
3. The doctrine of infection. Modern view of infectious diseases and their classification.
4. Decontamination (disinfection, disinsection, deratization). Role and place in anti-epizootic measures.
5. Epizootic focus and natural foci of infectious diseases. Classification of epizootic foci, structure and main types of natural foci.
6. The doctrine of the epizootic process. Links of the epizootic chain. General principles of anti-epizootic measures.
7. Epizootologic aspects of the doctrine of immunity.
8. Active specific prophylaxis of infectious diseases, its scientific and organizational foundations.
9. The main types of diagnosis and basic principles of treatment of infectious diseases.
10. The importance of synanthropic animals in the spread of infectious diseases in humans and animals.
11. Transmissible diseases (infections and invasions) and methods of their prevention.
12. General prevention of internal non-communicable diseases.
13. Dispensary as a component of general prevention of non-communicable diseases of animals, methodological basis for carrying out.
14. Methods of therapy on the orientation of therapeutic action (etiotropic, pathogenetic, symptomatic, substitutive).
15. Nutritional therapy in veterinary practice.
16. Operative and conservative treatment of diseases.
17. Surgical operations.
18. Pathogenetic therapy in surgical practice.

19. Surgical infection (definition, classification of types of SI, diagnosis, treatment in SI).
20. Asepsis and antisepsis in veterinary practice.
21. Animal traumatism. Classification of types of traumatism. Measures of trauma prevention.
22. Bleeding and blood loss. Types of bleeding. Ways to combat blood loss.
23. Trauma and types of injuries. First aid for trauma. Traumatic disease.
24. Castration of female animals. Economic importance, indications, methods, complications.
25. Castration of male animals. Economic importance, indications, methods.
26. Complications of castration of males. Diagnosis, methods of elimination.
27. Helminthoses -diagnosis, treatment and prevention.
28. General principles of animal helminthiasis control.
29. Basic methods of diagnosis of invasive diseases.
30. Methods of prevention of invasive diseases.
31. Stationary cutaneous parasites of animals.
32. Blood-sucking insects. General characteristics, veterinary importance. Control measures against them.
33. Protozooses. Methods of diagnostics, prophylaxis and treatment.
34. Sexual cycle and its disorders. Pregnancy and infertility of females.
35. Obstetric care for normal and pathologic births.
36. Artificial insemination (methods of obtaining, preparation and storage of semen, methods of insemination).
37. Methods of diagnostics of obstetric-gynecological pathology.
38. Animal infertility as a gynecologic and andrologic pathology.
39. Etiotropic and pathogenetic therapy in obstetric and gynecologic diseases.
40. Oncologic diseases of the reproductive organs of male and female small domestic animals.

## **Part Two**

### **Anthropozoonoses and economically significant infections and infestations**

1. Rabies. Etiology, pathogenesis, diagnostic methods and prevention of the disease. Actions of a veterinary worker in case of suspicion of rabies in an animal.
2. Leptospiroses. Etiology, pathogenesis, diagnostic methods and prevention of the disease.
3. Anthrax. Etiology, pathogenesis, methods of diagnosis and prevention of the disease. veterinary and sanitary examination of slaughter products.
4. Brucellosis and veterinary and sanitary examination of slaughter products.
5. Tuberculosis. Etiology, pathogenesis, diagnostic methods and prevention of the disease.
6. Leukemia. Etiology, pathogenesis, diagnostic methods and prevention of the disease.
7. Foot and mouth disease. Etiology, pathogenesis, diagnostic methods and prevention of the disease.
8. Prion infections.
9. Mycoses and mycotoxicoses.
10. Food toxicoses and toxicoinfections in animals.
11. Infectious diseases of dogs and dogs-like animals. Classification, biological and economic significance, treatment and prevention.
12. Infectious diseases of cats. Classification, biological and economic significance, treatment and prevention.
13. Infectious diseases of sheep. Classification, biological and economic significance, treatment and prevention.
14. Infectious diseases of horses. Classification, biological and economic significance, treatment and prevention.
15. Infectious diseases of rabbits and laboratory animals. Classification, biological and economic significance, treatment and prevention.
16. Viral infections of industrial livestock (IRI, diarrhea, parainfluenza). Infections of young animals. Classification, biological and economic significance, treatment and prevention.
17. Acute epizootic infections of birds. Classification, biological and economic significance, treatment and prophylaxis.
18. Particularly dangerous and exotic infections of cattle (plague, ephemeral fever, nodular dermatitis, etc.).
19. Bacterial infections of pigs (rye, escherichiosis, etc.).
20. African and classical swine fever.
21. Viral infections of pigs (except ASF and CSF).
22. Equine nematodoses.
23. Echinococcosis.
24. Babesiosis.
25. Eimerioses.
26. Trichomonosis in cattle.
27. Mating disease (trypanosomiasis) of horses.
28. Arachnoentomoses of animals.
29. Diseases caused by gadfly larvae (estroses, rhinestroses, hypodermatoses)
30. Dirofilariosis.
31. Dictyocaulosis.

32. Animal Ascaridoses.
33. Trichinellosis.
34. Fasciolosis.
35. Opisthorchiasis and clonorchiasis of carnivores.
36. Dipylidiosis of dogs and cats.
37. Ruminant moniesiosioses.
38. Diphyllbothriosis of carnivores.
39. Cysticercoses of cattle and swine.
40. Toxoplasmosis in animals.

## **Part Three**

### **Non-infectious pathology**

1. Open mechanical injuries (wounds). Classification of wounds. Treatment of wounds.
2. Closed mechanical injuries (contusions, sprains, dislocations, compression). Classification, first aid, treatment, outcomes.
3. Injuries to the chest, closed and open. Types, features, first aid, treatment.
4. Diseases of the vertebral column in animals. Etiology, diagnosis, treatment, prevention.
5. Diseases of muscles and tendon-ligamentous apparatus. Classification, features, first aid, treatment.
6. Diseases of the joints (diagnosis, treatment, prevention). Classification, features, first aid, treatment.
7. Bone fractures in animals. Classification, diagnosis, general principles of treatment.
8. Diseases of horse hooves and hoofs in ruminants Classification, diagnosis, treatment, prevention.
9. Laminitis in horses, cows, and other ungulates.
10. Surgical diseases of the abdominal cavity and retroperitoneum Classification, methods of differential diagnosis, treatment, prevention.
11. Abdominal wall hernias, eutentrations, prolapses of hollow organs. Definitions, classification, differential diagnosis, treatment.
12. Eye diseases in animals. Classification, etiology, diagnosis, treatment, prevention.
13. New growths in animals Classification, differential diagnosis, principles of treatment.
14. Diseases of the intestine in animals. Classification, methods of differential diagnostics, treatment.
15. Organic and functional diseases of the CNS (sunstroke and heat stroke, inflammation of the brain and spinal cord and their membranes, stress, neuroses, epilepsy, eclampsia). Methods of differential diagnosis, first aid, treatment.
16. Diseases of protein and carbohydrate metabolism (ketosis, myoglobinuria, alimentary dystrophy, obesity, etc.). Methods of differential diagnosis, first aid, treatment.
17. Hypovitaminosis and trace elementosis in animals.
18. Diseases of mineral metabolism (alimentary hyperparathyroidism, osteodystrophy, rickets).
19. Blood system diseases (anemias and hemorrhagic diathesis)
20. Diseases of the pleura and their complications (pleurisy, hydrothorax, hemothorax, pneumothorax). Classification, etiology, differential diagnosis, first aid, treatment.
21. Pneumonias. Classification, pathogenesis, diagnosis, treatment.
22. Diseases of the respiratory system of horses (emphysema, chronic obstructive bronchitis, etc.).
23. Heart disease (congenital and acquired)
24. Diseases of the kidneys and urinary tract. Classification, etiology, differential diagnosis, treatment, prevention.
25. Diseases of the liver. Classification, etiology, differential diagnosis, treatment, prevention.

26. Gastrointestinal diseases in horses with colic syndrome. Classification, diagnosis, differential diagnosis and therapy.
27. Diseases of ruminant pre-gastric diseases (atony, tympany, rumen parakeratosis, traumatic reticulitis). Classification, clinical picture, differential diagnosis, treatment.
28. Diseases of the stomach. Classification, differential diagnosis, pathogenesis and treatment.
29. Diseases of the duodenum, pancreas, gallbladder and biliary tract. Clinical picture, diagnosis, treatment.
30. Pathology of pregnancy and abortion in animals. Etiology, clinical picture, classification, doctor's actions, prevention.
31. Precursors of labor, stages of labor process, norm and pathology of labor process.
32. Fetal positioning abnormalities in labor. Labor and delivery surgeries.
33. Diseases of the postpartum period.
34. Diseases of the mammary gland in animals. Classification, differential diagnosis, treatment, outcomes.
35. Diseases of newborns of non-communicable etiology. Asphyxia of newborns.
36. Diseases of the external genitalia of females.
37. Diseases of the ovaries. Classification, diagnosis, treatment, prevention.
38. Endometritis in animals of different species. Etiology, diagnosis and differential diagnosis, treatment, prevention.
39. Vaginal and uterine prolapse (diagnosis, treatment, prevention).
40. Diseases of genital organs in males. Classification, diagnosis, differential diagnosis, treatment.