

**QUESTIONNAIRE FOR THE STATE EXAM /THEORETICAL/ ON THE  
2<sup>ND</sup> GROUP OF DISCIPLINES  
/INFECTIOUS DISEASES; PARASITOLOGY AND PARASITIC  
DISEASES; VETERINARY FOOD INSPECTION AND CONTROL /  
2024/2025**

**PART I. INFECTIOUS DISEASES**

1. Foot and mouth disease. Diagnosis, differential diagnosis, prevention and control.
2. Rabies. Aujeszky's disease. Diagnosis, differential diagnosis, prevention and control.
3. Leptospirosis. Listeriosis. Diagnosis, differential diagnosis, therapy, prevention and control.
4. Tuberculosis. Diagnosis, differential diagnosis, prevention and control.
5. Q fever. Tularemia. Diagnosis, differential diagnosis, therapy, prevention and control.
6. Neonatal E. coli infections. Diagnosis, differential diagnosis, therapy, prevention and control.
7. Salmonellosis and typhoid/paratyphoid fever. Diagnosis, differential diagnosis, therapy, prevention and control.
8. Brucellosis. Diagnosis, differential diagnosis, prevention and control.
9. Anthrax. Clostridial myositis (blackleg). Diagnosis, differential diagnosis, therapy, prevention and control.
10. Bovine viral diarrhea - mucosal disease. Infectious bovine rhinotracheitis - infections pustular vulvovaginitis. Diagnosis, differential diagnosis, therapy, prevention and control.
11. Clostridial diseases of small ruminants. Diagnosis, differential diagnosis, therapy, prevention and control.
12. Bluetongue disease. Sheep pox. Diagnosis, differential diagnosis, prevention and control.
13. Classical swine fever. African swine fever. Diagnosis, differential diagnosis, prevention and control.

14. Porcine respiratory disease complex. Diagnosis, differential diagnosis, therapy, prevention and control.
15. Swine dysentery. Porcine Proliferative Enteritis. Diagnosis, differential diagnosis, therapy, prevention and control.
16. Newcastle disease. Diagnosis, differential diagnosis, prevention and control.
17. Avian influenza. Diagnosis, differential diagnosis, therapy, prevention and control.
18. Avian infectious bronchitis, Infectious laryngotracheitis, Infectious bursal disease. Diagnosis, differential diagnosis, therapy, prevention and control.
19. Equine herpes rhinopneumonitis. Equine influenza infection, Equine infectious anemia. Diagnosis, differential diagnosis, therapy, prevention and control.
20. Canine distemper. Canine parvovirus infection. Diagnosis, differential diagnosis, therapy, prevention and control.
21. Vector-borne diseases (Ehrlichiosis, Anaplasmosis, Lyme disease). Diagnosis, differential diagnosis, therapy, prevention and control.
22. Feline panleucopenia. Feline infectious peritonitis. Feline respiratory infections. Diagnosis, differential diagnosis, therapy, prevention and control.

## **PART II. PARASITOLOGY AND PARASITIC DISEASES**

23. Trematodoses in ruminants (Fasciolosis, Dicrocoeliosis, Paramphistomosis) - diagnosis, therapy and prevention.
24. Cestodoses in ruminants and equine (Anoplocephalidoses) - diagnosis, therapy and prevention.
25. Larval cestodoses in cattle and swine - the role of man in their epizootology and epidemiology. Diagnosis, differential diagnosis, prevention.
26. Larval cestodoses in domestic animals - the role of the dog in their epizootology and epidemiology. Diagnosis, differential diagnosis, therapy and prevention.
27. Ascarididoses in ruminants, pigs and equine - diagnosis, differential diagnosis, therapy and prevention.
28. Ascarididoses in carnivores - diagnosis, differential diagnosis, therapy and prevention.
29. Ascarididoses in birds - diagnosis, differential diagnosis, therapy and prevention.
30. Gastrointestinal strongylidoses in ruminants - diagnosis, differential diagnosis,

- therapy and prevention.
31. Gastrointestinal strongylidoses in equine - diagnosis, differential diagnosis, therapy and prevention.
  32. Gastrointestinal strongylidoses in carnivores - diagnosis, differential diagnosis, therapy and prevention.
  33. Lung strongylidoses in ruminants, swine and equine diagnosis, differential diagnosis, therapy and prevention.
  34. Filariidoses in domestic animals (Parafilarioses, Dirofilariosis and Onchocercoses) - diagnosis, therapy and prevention.
  35. Trichuroses in animals - diagnosis, therapy and prevention. Trichinellosis.
  36. Vector borne protozoan diseases in ruminants and equine (Babesioses and Theilerioses) - diagnosis, differential diagnosis, therapy and prevention.
  37. Vector borne protozoan diseases in carnivores - diagnosis, differential diagnosis, therapy and prevention.
  38. Coccidioses – Eimerioses, Isosporoses, Cryptosporidioses - diagnosis, differential diagnosis, therapy and prevention.
  39. Coccidioses – Toxoplasmosis, Sarcocystosis, Neosporosis - diagnosis, differential diagnosis, therapy and prevention.
  40. Scabs of ruminants, swine and birds - diagnosis, differential diagnosis, therapy and prevention.
  41. Scabs of equine - diagnosis, differential diagnosis, therapy and prevention.
  42. Scabs of carnivores - diagnosis, differential diagnosis and control measures.
  43. Gastrointestinal, subcutaneous and cavitary larval entomoses in ruminants and equine - diagnosis and control measures.
  44. Insects, ectoparasites on domestic animals (sucking lice, chewing lice and fleas) - diagnosis and control.

### **PART III. VETERINARY FOOD INSPECTION AND CONTROL**

45. General requirements for animals for meat production. Diseases in which slaughter is prohibited. Animal welfare during transport and slaughter.
46. Ante-mortem inspection and lairage requirements. Slaughter of animals for human consumption.
47. Emergency and sanitary slaughter. Official veterinary control of meat and internal organs. Processing of conditionally fit meat.

48. Post-mortem inspection of cattle. The most important diseases and judgement.
49. Post-mortem inspection of pigs. The most important diseases and judgement.
50. Post-mortem inspection of sheep and goats. The most important diseases and judgement.
51. Hygiene and technology of poultry meat production. Post-mortem inspection of poultry. The most important diseases and judgement.
52. Official veterinary control of live, fresh or frozen fish and hydrobionts. Diseases of hydrobionts and biohazards to human health.
53. Veterinary drug residues in food - types, withdrawal periods, MRLs, national monitoring programs.
54. Residues of industrial pollutants (heavy metals, pesticides, dioxins, radionuclides, etc.) in food - types, withdrawal periods, MRLs.
55. Food additives - types, significance, potential hazards and veterinary control in their application. Food allergens.
56. Foodborne infections - main causative agents, mechanism of development and clinical manifestation, measures for prevention. Judgment of food contaminated with foodborne bacteria.
57. Foodborne intoxications - main causative agents, mechanism of development and clinical manifestation, measures for prevention. Judgment of food contaminated with bacteria producing exotoxins.
58. Mycotoxins - causes and mechanism of development. Methods for detection and measure for prevention.
59. Veterinary requirements to milk processing plants - hygiene and technology. Milk composition and implication to quality and safety of dairy products.
60. Hygiene and quality indicators of raw milk. Milk microflora. Heat treatment of milk and composition changes.
61. Types of starter cultures in dairy industry. Hygiene, technology and food safety and quality control of yoghurt.
62. Classification and general technology of cheeses. Food safety and quality control of cheeses. Dairy products with added vegetable fats.
63. Hygiene and technology of milk and carcass fats. Food safety and quality control milk and carcass fats.
64. Meat products - classification and technology. Food safety and quality control of meat products.
65. Veterinary border control of food products. Food safety and quality control

applied on food products for import, export and transit.

66. Good manufacturing and hygiene practices (GMP) and HACCP. Critical control points (CCPs) in meat and dairy processing plants. Audit of business operators for foods of animal origin.