

**FINAL EXAMINATION QUESTIONS**  
**Bachelor's degree in agricultural engineering**  
**Livestock breeding item line**

**1. Breeding of farm animals**

- breeding methods
- fertility and reproductive indicators
- biotechnological procedures

**2. Cattle breeding-**

- the importance of cattle rearing, breeds
- keeping and feeding dairy cows
- main characteristics of beef cattle farming

**3. Small ruminants breeding**

- sheep breeding
- main features of goat breeding
- grazing importance in ruminants nutrition

**4. Pig breeding**

- reproductive traits of pigs, swine breeds and hybrids
- principles of pig fattening, carcass evaluation and meat quality traits

**5. Horse breeding**

- importance of horse breeding
- the use of horses

**6. Poultry breeding**

- main features of poultry breeding
- table egg production
- main principle of meat production (chicken, turkey, duck)

**7. Livestock nutrition**

- protein supply of farm animals
- feed conservation methods

**8. Farm animals' health and hygiene**

- key elements of farm biosecurity and their roles in preventing the spread of infectious diseases
- hygienic aspects of drinking water and feed quality in animal production
- establishment aspects of animal production units – design and function of farm buildings, components of barn microclimate, and their effects on animal health and productivity