

Syllabus of practical exam 2017
Large Animal Obstetrics and Reproduction

Venue: Department and Clinic for Production Animals

Notes: Candidates are asked to attend on examination in informal dress because of possibility of contamination. Clean, white coat is expected for the examination.

Manners of exams:

1. **Two questions** from all below are chosen by all candidates
 2. Checking the **clinical card** (large animal part) of candidates
- Review of theoretical background of practical questions is an expectation.

Question catalogue

1. The parts of general and detailed obstetrical examinations
2. Parts and characteristics of the female genitals in cattle and horse
3. The soft and bony birth canal from obstetrical aspects, bloody enlargement of the soft birth canal
4. Displacements of the gravid uterus in large animals
5. The main aspects of fetal examination. Is the fetus alive or dead? Examination of the fetal membranes.
6. Presentations: forms, diagnosis, prognosis and treatment
7. Positions: forms, diagnosis, prognosis and treatment
8. Postures of the head: forms, diagnosis, prognosis and treatment
9. Postures of the forelegs: forms, diagnosis, prognosis and treatment
10. Postures of the hind legs: forms, diagnosis, prognosis and treatment
11. Position of the fetus within the birth canal, dystocia due to fetal oversizes, single and double monsters
12. The rules of allowed forced extraction, lubricants, uterine relaxants
13. Obstetrical anaesthesia in large animals
14. Instruments for obstetrical aid
15. Tools and methods of fetotomy in large animals
16. Caesarean section in cattle
17. Caesarean section in swine
18. Vaginal prolapse and its treatment
19. Uterine prolapse and its treatment
20. Releasing uterine fluid, uterine lavage (options and limitations in cow and mare)
21. Vasectomy
22. Diagnosis and treatment of mastitis
23. Milk dripping and operative techniques of the teat fistula, medical interventions used in therapy of skin lesions of the udder

24. Postpartum medical interventions after manual assistance in delivery / dystocia, and in cases of retained fetal membranes
25. Puerperal metritis in large animals
26. Diagnosis and therapy of clinical, subclinical endometritis and pyometra in cows
27. Diagnosis and therapy of endometrial diseases in mare (acute endometritis, chronic infiltrative endometritis, chronic degenerative endometrosis, pyometra)
28. Early pregnancy diagnosis in large animals
29. Neonatal care, duties during the puerperium in dams soon after parturition
30. Rectal findings of the genitals of infertile and cyclic cows. Cyclic diagnosis
31. Rectal findings of the genitals of infertile and cyclic mares. Ovulation diagnostics
32. Different methods and instruments used for the examination of reproductive organs in large animals
33. The instruments and the procedure of semen collection from the stallion
34. The instruments and the procedure of semen collection from the boar
35. The instruments and the procedure of semen collection from the bull and from ram
36. The procedure of the stallion's semen handling and storage
37. The procedure of the boar's semen handling and storage
38. The procedure of the bull's semen handling and storage
39. The instruments and procedure of AI in the mare (frequency, method, etc.).
40. The instruments and procedure of AI in the sow (frequency, method, etc.).
41. The instruments and procedure of AI in the ewe (frequency, method, etc.).
42. The instruments and procedure of AI in the cow (frequency, method, etc.).