THEORY

Endocrinology: Endocrine functions of hypothalamus, pituitary, thyroid, adrenal, ovary, testis, uterus and placenta.


PRACTICAL


Books Recommended

THEORY

Physiology of female reproduction: Puberty and breeding season in farm animals; Hormones of hypothalamus, pituitary, placenta, ovaries and uterus; Oestrous cycle, oogenesis, ovulation, fertilization, gestation and parturition; Involution of uterus and post-partum ovarian activity. Methods of heat detection and pregnancy diagnosis. Reproductive efficiency parameters; Factors affecting the reproductive efficiency of farm animals.

Physiology of male reproduction: Puberty in farm animals; Hormone of the testis; Spermatogenesis. Methods of semen collection. Physical characteristics of the semen of farm animals. Artificial Insemination.

PRACTICAL


Books Recommended

THEORY


Books Recommended


Male: Breeding soundness examination of male, Rectal palpation of accessory sex glands. Semen collection, handling, evaluation, processing, storage, freezing and thawing.

Books Recommended

THEORY


**Male:** Genetic and acquired abnormalities of the testis, epididymis, vas deferens and accessory sex glands. Injuries and abnormalities of penis. Infertility (infectious and non infectious) and its control.

**PRACTICAL**


**Books Recommended**

Training of the students in diagnosis and treatment of various reproductive problems at clinics. Use of ultrasound imaging to diagnose pregnancy in domestic animals. Clinical case recording and presentation. Laboratory diagnostic techniques in Animal Reproduction.

Books Recommended

Training the students in diagnosis and treatment of various reproductive problems at clinics. Use of ultrasound imaging to diagnose reproductive abnormalities in domestic animals. Microbiological analysis of semen. Clinical case recording and presentation.

Books Recommended