

Q1- complete the following sentence (chose 5 only):(15 d.)

- 1- In ewes the the increased exposure to melatonin during nights stimulate release by the.....
- 2- The process by which the corpus luteum regression called
- 3- The time of ovulation in cattle occur at
- 4- Theis the dominant structure on the ovary during diestrus.
- 5- The is that portion of the female duct system that is common to both the reproductive and urinary systems.
- 6- During estrus, the high levels of are responsible for behavioral signs of estrus.

Q2 / complete the folowing tample (15 d.)

	queen	bitch	camel	mare	buffalo
estrus cycle length					
Estrus duration					
ovulation time					
Pregnancy period					

Q3/ define pubertyand mention the factors which affecting the age of puberty ? (10d)

Q4/ Define the following: (10d)

- a. White heifers disease.
- b. feedback mechanism

Q5/ Cow show the oestrus four times during 35 days, What is your diagnosis? and What is the possible treatment method for this case?

Q6/Explain the hormonal regulation of seasonality in ewe. (10d)

Q7/ Compare between the estrogen and progesterone action in controlling reproduction in cattle. (10d)

Q8/ Rewrite the following sentences and corrected that you see wrong if present: (10d)

- 1- Prostaglandin in cattle transport from uterus to ovary direct through the circulatory system.
- 2- Compylobeteriosis is one of venereal disease that transmitted between animals through the coitus .

Q9/Write prescription for the treatment of the following diseases: (10d)

- a. Delay ovulation.
- b. Pyometra.

Good Luck

Q1 / Rewrite the following sentences and corrected that you see wrong if present: (chose 5 only):(15 d.)

- 1- In mare the the increased exposure to melatonin during nights stimulate release FSH by the ovary.
- 2- The process by which the corpus luteum regression called luteonization.
- 3- The time of ovulation in cattle occur at 10 – 24 hrs after estrus end.
- 4- The grafian follicle is the dominant structure on the ovary during diestrus.
- 5- The vistibule is that portion of the female duct system that is common to both the reproductive and urinary systems.
- 6- During estrus, the high levels of prostoglandin are responsible for behavioral signs of estrus.

Q2 / complete the following sentence (chose 5 only):(15 d.)

- 1- The average duration of proestrus in bitch is and the main signs of this period is the
- 2- Ovulation in Queen usually occurs
- 3- **Estrus** (heat) duration in Does about and its occur every
- 4- The average duration of estrus in buffalo areand the ovulation occurs approximately
- 5- The female camel matures at an age ofand the gestation period are
- 6- In the mare the endometrial cups around the 36th day of gestation screted the, which have important role for the formaion of

Q3/ enumerate the Noninfectious causes of abortion. (15d)

Q4/ define the following : (15d)

Seasonal polyestrus, feed back mechanism, Puberty, luteolysis, Endometritis

Q5/ Cow show the oestrus four times during 35 days, What is your diagnosis? and What is the possible treatment method for this case? (10d)

Q6/ draw one of the following with pointed on each structure : (15d)

- 1- cross section of ovary in cattle.
- 2- female reproductive system in cattle.

Q7/Write short note for clinical signs of the folowing: (15d)

- 1- luteal cyst
- 2- Freemartin
- 3- Pyometra

Good Luck

Q1/ define estrus and mention the important sings of it in cow?(10 d.)

Q2/ enumerate the stages of estrus cycle in cattle and mention the important event for each one?(10 d.)

Q3/ Enumerate the guidelines which must be followed when the specific cause of repeat breeder was not identified:

Q4/ What is the main causes of the true an estrus in cow?

Q5/ Rewrite the following sentences and corrected that you see wrong if present: (10d)

- 1- trichmoniasis is one of bacterial venereal disease that transmitted between animals through the coitus .
- 2- late embryonic death occur when the embryo are dead before maternal recognition of pregnancy and is associated with a delay in the length of the cycle.

Q6/ draw one of the folowing: (10d)

- a- Ovary of the cattle
- b- Reproductive system of the cattle

Q7/ Compare between the folocular and luteal cyst in cattle . (10d)

Q8/ Draw atable and illustrate the duration of estrus, estrus cycl, gestation period and the time of ovulation for each animals (mare, cow, buffalo, camel and cat). (10d)

Q9/Explain the hormonal regulation of seasonality in mare. (10d)

Q10/ complete the following sentence: (chose 5)(10 d.)

- 1- The process by which the corpus luteum formation called
- 2- The time of ovulation in cattle occur at
- 3- The cervix canal in the cow have transverse interlocking ridges known as
- 4- In sheep the sexual activity start when the day lengthwhile in the mare start when the day length
- 5- In cow prostaglandin transport to ovary through the counter current exchange between
- 6- The hormone which is the principle to ovulation occur is

Good Luck

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