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**SUBJECT CODE NO:- B-2259**  
**FACULTY OF SCIENCE & TECHNOLOGY**  
**B.Sc. T.Y (Sem-V)**  
**Examination November/December-2022**  
**Dairy Science and Technology Paper-XV**  
**(Animal Reproduction and Artificial Insemination)**

[Time: 1:30 Hours]

[Max. Marks:50]

Please check whether you have got the right question paper.

- N.B
1. Attempt all questions.
  2. Illustrate your answer with suitable labeled diagram.
- Q.1 Describe male reproductive system of cattle. 20
- OR
- Describe process of Oogenesis. 20
- Q.2 Describe artificial Vagina method of Semen collection. 20
- OR
- Write short notes on any four of the following 20
- a) Symptoms of pregnancy
  - b) Oestrus
  - c) Symptoms of heat
  - d) Embryo transfer technology (ETT)
  - e) Isterus
  - f) Time and technique of AI.
- Q.3 Write Correct answer of the following multiple Choice questions. 10
- 1) Uterus secretes \_\_\_\_\_ for nourishment of Pregnancy.
    - a) Colostrum    b) Milk    c) Uterine milk    d) None of these
  - 2) Male parent of the Calf is termed as \_\_\_\_\_
    - a) Dam    b) Sire    c) Doe    d) Ewe

- 3) The period From Conception to calving is termed as \_\_\_\_\_
- a) Calving interval                      c) puberty  
b) Gestation period                      d) None of these
- 4) Act of giving birth in buffalo is termed as \_\_\_\_\_
- a) Kiding    b) Lambing    c) Calving    d) None of these
- 5) Head of epididymis is termed as \_\_\_\_\_
- a) Corpus    b) caput    c) Cauda    d) None of these
- 6) The Cervix is known as neck of \_\_\_\_\_
- a) Uterus    b) Woumb    c) Mucosa    d) Oviduct
- 7) Discharge of egg from graphian follicle is termed as \_\_\_\_\_
- a) Ovulation    b) Fertilization    c) Oogenesis    d) None of these
- 8) Egg yolk citrate is used for \_\_\_\_\_
- a) Freezing of Semen                      c) Preservation of Semen  
b) Dilution of semen                      d) None of these
- 9) Frozen semen is preserved in liquid nitrogen at \_\_\_\_\_ °C
- a) 0°C    b) -37°C    c) -80°C    d) -196°C
- 10) Ovaries are \_\_\_\_\_ is shape.
- a) Round    b) Oval    c) Tubular    d) Coiled