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SUBJECT CODE NO:- B-2121
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. T.Y (Sem-V) Examination OCT/NOV 2019
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

- i. Attempt all questions
- ii. Use only blue or black pen.
- iii. Illustrate your answer with suitable labelled diagram.10

Q.1 Describe the reproductive system of cow with suitable labelled diagram. 20

OR

Describe pregnancy. Explain the methods of pregnancy diagnosis.

Q.2 Define A.I. Explain the advantages and disadvantages of A.I. 20

OR

Write short notes on any four of the following

- a) Testes
- b) Factors affecting gestation
- c) oogenesis
- d) A-V method
- e) preservation of semen
- f) superovulation

Q.3 Write the correct answers of the following multiple choice question. 10

- 1) _____ is the primary sex organ in Bull.
 a) Penis b) Testes c) Ovary d) epididymis
- 2) Fertilization of ova takes place in _____ region of oviduct in cow.
 a) Infundibulum b) Isthmus c) Ampulla d) None of the above
- 3) Gestation period of cow is _____ days.
 a) 310 b) 280 c) 380 d) 150
- 4) Ovulation is takes place in the _____
 a) pro oestrus b) oestrus c) metaestrus d) dioestrus
- 5) The normal colour of bull semen is _____
 a) milky white b) creamy white c) White d) Thick milky
- 6) The best site of insemination is _____
 a) vagina b) oviduct c) uterus d) mid-cervix

- 7) Spermatogenesis is induced by _____
a) FSH b) ICSH c) STH d) ATH
- 8) Leydig's cells are found in _____
a) heart b) testes c) ovary d) lungs
- 9) The first experiment in artificial insemination was performed by _____
a) Aristotle b) Berzelius c) Spallanzani d) Linneaus
- 10) In electro-ejaculation method of semen collection, rectum is washed with 6% _____ solution.
a) Potassium chloride
b) Magnesium chloride
c) Sodium chloride
d) Potassium permanganate