



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER EXAMINATIONS

MAIN EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN:

ANIMAL PRODUCTION AND PROCESSING TECHNOLOGY

COURSE CODE: AAH 223

COURSE TITLE: ANIMAL REPRODUCTION

DATE: 27TH APRIL, 2022

TIME: 8-10 AM

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and ANY TWO questions in section B

Total Marks= 70 Marks

MMUST observes ZERO tolerance to examination cheating

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

Q1. Define the following terms as used in reproduction **(5marks)**

- i. Theriogeniology
- ii. Andrology
- iii. Gynaecology
- iv. Obstetrics
- v. Dystocia

Q2. Describe the different kinds of reproduction using examples **(5marks)**

Q3. Outline the components of the female reproductive system **(5 marks)**

Q4. Explain the functions of the hormone oxytocin in reproduction **(5 marks)**

Q5. List any five diseases of reproduction giving their causative agents. **(5 marks)**

Q6. Highlight the stages involved in embryogenesis **(5 marks)**

SECTION B: ANSWER ANY 2 QUESTIONS (40 MARKS)

Q6. Discuss the different ways in which hormones exert their effects on tissues or organs **(20 marks)**

Q7. After attaining sexual maturity, females experience the estrus cycle. Describe the follicular and luteal phases of the estrus cycle giving the various stages **(20 marks)**

Q8. Embryogenesis begins at the fertilization and normally ends in parturition. Write short notes on the various stages of embryo development after fertilization. **(20 marks)**