

AAH 223



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

**SECOND YEAR SECOND SEMESTER EXAMINATIONS
MAIN EXAMINATION**

**FOR THE BACHELOR OF SCIENCE DEGREE IN:
ANIMAL PRODUCTION**

COURSE CODE: AAH 223

**COURSE TITLE: ANIMAL REPRODUCTION
(THERIOGENOLOGY)**

DATE: 12.04.2023

TIME: 3-5 PM

INSTRUCTIONS TO CANDIDATES

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

SECTION A Answer all questions (30mks)

1. Define the following terms as used in animal reproduction (10mks)
- i. Reproduction
 - ii. Estrus
 - iii. Gestation
 - iv. Puberty
 - v. Lactation
2. a) Highlight **five** major functions of estrogen. (5mks)
- b) Explain **time site** concept in artificial insemination (5mks)
3. a) Define capacitation (2mks)
- b) Explain fertilization physiology (5mks)
4. Highlight the functions of **magnum** and **isthmus** in avian reproduction (3mks)

SECTION B ANSWER ANY TWO QUESTIONS (40MKS)

5. Discuss parturition process in cattle. (20mks)
6. Discuss hormones that control estrus in cattle (20mks)
7. Discuss Estrus cycle (20mks)