



(Knowledge for Development)
KIBABII UNIVERSITY

**UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR**

SECOND YEAR SECOND SEMESTER

SUPPLEMENTARY/ SPECIAL EXAM

FOR THE DEGREE OF BACHELOR OF SCIENCE

COURSE CODE: SBL 221/ SZL 312

COURSE TITLE: DEVELOPMENTAL BIOLOGY


DATE: 19TH JANUARY 2022

TIME: 8.00 – 10.00 AM

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over 
KIBU observes ZERO tolerance to examination cheating

QUESTION 1

- a) Define the following terms as used in Developmental Biology
- i. Metamorphosis (2 marks)
 - ii. Stem cells (2 marks)
 - iii. Cell differentiation (3 marks)
 - iv. Blastulation (2 marks)
- b) State four significance of developmental biology. (4 marks)
- c) Give the significance of the morula stage in development (3 marks)
- d) State the risks involved in embryo transfer (5 marks)
- e) Give the importance of embryo transfer technique (5 marks)
- f). State the significance of implantation (4 marks)

QUESTION 2

Stating the function, Discuss the human male reproduction system (20 marks)

QUESTION 3

Explain the germinal stage of human embryogenesis (20 marks)

QUESTION 4

Discuss the history of embryology (20 marks)

QUESTION 5

Describe the ovarian/menstruation cycle (20 marks)