

BOWEN UNIVERSITY IWO, OSUN STATE
COLLEGE OF HEALTH OF BASIC MEDICAL SCIENCE
ANATOMY PROGRAMME

FIRST SEMESTER 2023/2024 SESSION

FRIDAY Date: 02/01/2024 EXAMINATION TIME: 2 ½

HOURS

ADVANCED DEVELOPMENTAL ANATOMY (ANA 401) (3 UNITS)

INSTRUCTIONS: Please read the questions and instructions carefully and provide the answer in the answer booklets provided. Question One is compulsory, then, answer any other Two questions

1. Discuss the processes that are involved in human development. (30 marks)
- 2 a. Define assisted reproductive technology (ART) and discuss indications for intrauterine insemination (IUI) and in vitro fertilization (IVF). (13 marks)
- b. Outline the processes involved in IVF. (7 marks)
3. Sperm selection and transport in humans is a highly specialized process. Discuss (20 marks)
4. Discuss the genetic regulation of development. (20 marks)
5. What are stem cells? Discuss the ethical concerns of stem cell research. (20 marks)