Task 11

Test Reproduction & Development

Syllabus Revision

Human Reproduction

* Structure and function of male and female reproductive systems
* Gametogenesis
  + Oogenesis & spermatogenesis
  + Description of development including terminology, locations & time-frames
  + Compare and contrast
  + Primary and secondary sex organs & characteristics
* Hormonal Control of the Reproductive System
  + Menstrual and ovarian cycles
    - Locations
    - Endocrine glands and hormones involved
      * Functions of hormones
    - Corpus luteum & corpus albicans
    - Stages of each and time-frame ( follicular/proliferative
* Conception
  + Intercourse and fertilisation
  + Pathway of sperm and semen from male body
  + Composition of semen and locations of production
  + Process of fertilisation including acrosomal reaction
  + Hormone production after fertilisation
* Differentiation
  + Stem cells (potency and potential)
  + Formation of primary germ layers (ectoderm, mesoderm & endoderm)
* Development of embryonic membranes & placenta
  + Umbilical cord structure & function
  + Connection with maternal blood supply
* Gestation
  + Embryonic & foetal development
* Birth
  + Stages of birth
  + Changes in circulation at birth
* Maintaining a healthy pregnancy
  + Diet, weight gain, exercise
  + Exposure to teratogens
    - examples