Biology 370 - Developmental Biology
Sample Questions - Lecture Exam #2
Lange

The following questions will give you the flavor of the style of questions that will highlight lecture exam #2 in BIOL 370. These are not the questions on the exam, but they approximate the style of questions you will see. Also, please note that I do not give answers for these questions because the study and thought you will give to these questions (without providing a definitive answer) will help you to think more deeply about the concepts.

1. 1) Intercalate means to place something between layers.
   2) Radial intercalation involves the movement of the archenteric space into the primitive foregut of the blastopore.
      A) Statement 1 is true and Statement 2 is true.
      B) Statement 1 is true and Statement 2 is false.
      C) Statement 1 is false and Statement 2 is true.
      D) Statement 1 is false and Statement 2 is false.

2. 1) The decidua is a structural element in the embryo’s placenta that migrates from the outer edge of the embryo into the uterus of the mother.
   2) The development of the decidua depends on the production of progesterone in the female.
      A) Statement 1 is true and Statement 2 is true.
      B) Statement 1 is true and Statement 2 is false.
      C) Statement 1 is false and Statement 2 is true.
      D) Statement 1 is false and Statement 2 is false.

3. The Syncytiotrophoblast is
   A) the embryos most internal layer of the trophoblast.
   B) a structure that invades the wall of the uterus to establish nutrient circulation between the embryo and the mother.
   C) the epithelial covering of the embryonic placental villi.
   D) Two of the above are correct.
   E) All of the above are correct.

Study hard! You all can do very well on the exam!