The following questions will give you the flavor of the style of questions that will highlight lecture exam #1 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.

Amplexus refers to
A) mating behavior in cattle.
B) stages of cycling between release of the egg from the ovary and its movement into the ampulla
C) mating behavior displayed in the frog.
D) Two of the above are correct.
E) All of the above are correct.

Murray Barr is renowned for which of the following?
A) The laboratory based cloning of a mammal
B) The discovery of the “Barr Body”
C) The genetic underpinnings of what causes calicoism to develop
D) Two of the above are correct.
E) All of the above are correct.

Morphogenesis
A) is defined as how body form and structure are generated.
B) can be examined in the embryo and also in the adult.
C) regeneration AND degeneration of tissues and organs is part of morphogenesis.
D) Two of the above are correct.
E) All of the above are correct.

The axoneme can best be described as
A) the cytoskeletal structure of the capacitation cap on sperm.
B) the cytoskeletal structure of the interior of the flagellum.
C) the cytoskeletal structure of the thickened inner layer of cytoplasm in the ova.
D) the neural connective skeletal organization of the microtubules in the immature ova.
E) None of the above are correct.

The name given to the support tissue seen associated with the angiosperm embryo is
A) the extine.
B) the intine.
C) the suspensor.
D) the meristem.
E) None of the above are correct.

The vegetal pole is the region of the cleaving organism that is devoid of yolk.
A) True
B) False
The basic breakdown of the exam is as follows:

Topic 1 - Somewhere between 10 - 14 questions
Topic 2 - Somewhere between 6 - 10 questions
Topic 3 - Somewhere between 4 - 8 questions
Topic 4 - Somewhere between 18 - 22 questions
Topic 5 - Somewhere between 2 - 5 questions
Topic 6 - Somewhere between 2 - 5 questions

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

(Technically, the comic above should probably say “…multiplication and division can potentially mean…” but, it is still funny.)