BIOE 476: Tissue Engineering, Fall 2018

Quiz #5

1. (1/2 point) Matrix drug delivery systems consisting of a single material exhibit nearly constant release rates for long time periods. (TRUE or FALSE)

   A. True
   B. False

Answer: B (False)

2. (1/2 point) Based on the Therapeutic Indices below, which of the following two drugs could be more safely administered to patients? (Circle ONE best answer)

   A. Drug A, Therapeutic Index = 150
   B. Drug B, Therapeutic Index = 1.5

Answer: A

3. (1 point) A patient with type B Rh+ blood can safely receive blood cells of which of the following types? (Circle ONE best answer)

   A. AB Rh+
   B. B Rh-
   C. A Rh-
   D. A Rh+

Answer: B
4. **(1 point)** Pancreatic islets can be encapsulated inside immunoisolation materials with an average pore cutoff size of approximately 20 nanometers. This is designed to block which of the following? (Circle ONE best answer.)

- A. Glucose and Insulin
- B. Insulin and IgG
- C. IgG and Complement
- D. Glucose and Water
- E. Oxygen and Complement

**Answer:** C