- 1. Which protein primarily facilitates the binding of midazolam to plasma proteins in canines?
 - a. globulin
 - b. fibrinogen
 - c. albumin
 - d. ceruloplasmin
- 2. Which local block would be the best choice for a dog having an upper canine extraction?
 - a. mental
 - b. mandibular
 - c. auriculotemporal
 - d. infraorbital
- 3. Which is a complication associated with IPPV (intermittent positive pressure ventilation)?
 - a. decreased cardiac output
 - b. reduced blood oxygen levels
 - c. elevated mean arterial pressure
 - d. increased lung compliance
- 4. What is the primary cause of decreased renal blood flow in geriatric patients?
 - a. reduction of ADH
 - b. decrease in cardiac output
 - c. aldosterone loss
 - d. decrease in hepatic function
- 5. Which of the following occurs during depolarization (phase 0) of the cardiac myocyte?
 - a. The magnesium channels open increasing magnesium permeability.
 - b. The potassium channels open increasing potassium permeability.
 - c. The calcium channels open increasing calcium permeability.
 - d. The sodium channels open increasing sodium permeability.

Clinical competency

- A 12 kg patient requires a metoclopramide CRI. The concentration of metoclopramide is 5mg/mL. The dose rate of metoclopramide is 2mg/kg/24 hours. The fluid rate is 25 mL/hour. 800 mL is left in the LRS bag. How much metoclopramide should be added to the LRS bag and what is the mg/hour administered? Show your calculations. (4 points)
- 2. Name 2 locoregional blocks that are appropriate for a right TPLO procedure (2 points).
 - a. Describe the steps for performing the first block IN DETAIL including materials and preparation (5 points).
 - b. Describe the steps for performing the second block IN DETAIL including materials and preparation (5 points).

3.	List 4 physiologic response mechanisms by which the body normally controls temperature. (4 points)