

Academy of Surgical Research

Questions for Surgical Research Technician Exam – **EXAMPLES**
Questions are created from the reference list found on the ASR web site.

- 1.) When performing a cannulation surgery on a rat or mouse, aseptic technique is not necessary?
 - a. True
 - b. False

- 2.) List the largest to smallest in suture size?
 - a. 7-0, 2-0, 1, 2
 - b. 1,0,2-0,7-0
 - c. 3,2,1,0
 - d. B & C
 - e. None of the Above

- 3.) Why are intra-peritoneal injections given in the lower left quadrant of the abdomen in the rat?
 - a. Accessibility
 - b. Cecum is located in the left quadrant
 - c. Cecum is located in the right quadrant
 - d. Intravenous injection are too rapidly absorbed

- 4.) What type of needle is best used for closing skin (choose the one used on dense tissue)?
 - a. Cutting needle
 - b. Round bodied
 - c. Reverse cutting
 - d. Taper cut

- 5.) The gallbladder of the rat is relatively larger than that of the mouse?
 - a. True
 - b. False

- 6.) Cardiac output is computed by multiplying:
 - a. Minute volume times heart rate
 - b. Residual volume times left ventricular pressure
 - c. Systolic pressure times heart rate
 - d. Stroke volume times heart rate

- 7.) What agency is responsible for enforcement of regulations relative to surgery that are found in the Animal Welfare Act?
 - a. NIH (National Institutes of Health)
 - b. USDA (United States Department of Agriculture)
 - c. FDA (Food and Drug Administration)
 - c. IACUC (Institutional Animal Care and Use Committee)

ANSWERS: 1-B, 2-D, 3-C, 4-A, 5-B, 6-D, 7-B