

**Applied Human Structure and Function PAS-703**  
**Abdomen, Pelvis, and Perineum Examination – 100 Points**

October 16, 2019

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1. Explain the anatomy of the gallbladder including vasculature, innervation, function and support. Explain the anatomy of the biliary tree, including the possible locations of stones and symptoms of gallstones. 10 points.

2. Peptic ulcer disease may erode the posterior wall of the stomach and release stomach contents into the lesser sac. Define the boundaries (including spaces and/or recesses) of the lesser sac. Account for the progression from dull pain to sharp pain once the stomach wall perforates. Discuss the pathway of spilled stomach contents that pass from the lesser sac into the greater sac, and the location of these contents with respect to body position. Cite an example of clinical relevance? 10 points.

3. **Review the anatomy of Part I (cap) of the duodenum with respect to structure, relationships, innervation (sensory and motor), vasculature, lymphatic drainage, support (visceral and fibrous). Cite an example of clinical relevance. 10 points.**

4. Cirrhosis of the liver limits the passage of portal blood through the sinusoids and into the hepatic veins. Portal hypertension causes retrograde portal blood flow at sites of portacaval anastomoses. Discuss the anatomy and symptoms associated with dilated veins in the vicinity of portacaval shunts. 10 points.

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**5. Question 5. 10 points.**

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**6. Question 6. 10 points.**

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**7. Question 7. 10 points.**

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**8. Question 8. 10 points.**

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**9. Question 9. 10 points.**

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**10. Question 10. 10 points.**