

Handwritten answers only, use the space provided and attach additional pages as needed

1. Regarding the gall bladder

- a) Describe the gross structure
- b) Draw with labels the histological structure
- c) Give its function and the chemical makeup of bile
- d) Name two specific problems

2. Regarding the pancreas

- a) Describe the gross structure
- b) Draw with labels the histological structure
- c) Name the enzymes that help digest the four major macromolecule classes
- d) Name two hormones from the endocrine pancreas and explain how they relate to digestion.
- e) Name two specific problems

3. Regarding the salivary glands

- a) Name the two major types
- b) Give the various locations
- c) Draw with labels the histological structure
- d) Name three types of secretions produced and their function
- e) Name two specific problems

4. Regarding the tongue

- a) Describe the gross structure
- b) Draw with labels the histological structure
- c) Name the major muscles involved and the cranial nerve that controls the tongue
- d) Describe the taste bud and its location.
- e) Name the cranial nerves involved in the sensation of taste
- f) Name two specific problems

5. Regarding the teeth

- a) Describe the gross structure
- b) Draw with labels the histological structure
- c) Name the types of teeth and their function
- d) Give the adult dental formula and the bones involved
- e) Name the cranial nerve associated with sensory innervation to the teeth
- f) Give the function of
 - 1) Cementum
 - 2) Periodontal ligament
- g) Name two specific problems

6. Regarding the liver

- a) Describe the gross appearance and name the lobes of the human liver
- b) Draw with detail and labels the functional unit of the liver
- c) Name ten (10) unique and different functions of the liver
 - 1)
 - 2)
 - 3)
 - 4)
 - 5)
 - 6)
 - 7)
 - 8)
 - 9)
 - 10)
- d) Name the blood vessels involved with the hepatic portal system
- e) Name two specific problems with the liver