

## SCIT 1408: Study Guide Outline of Laboratory Modules

### Lab #1

Note: This list of modules contains all the structures you are to know for lab quizzes and practical exams. It is also an excellent study guide for lecture exams.

\* *Starred items are found in the text book, but not in the lab manual.*

#### **Module 1**

Structure of the wall of the alimentary canal

\*Mucosa

\*Lumen

\*Submucosa

\*Muscularis (muscular layer)

\*Circular fibers

\*Longitudinal fibers

\*Serosa (serous layer or visceral peritoneum)

#### **Module 2**

Oral cavity

Oropharynx

Labial frenula

Oral vestibule

Hard palate

Soft palate

Uvula

Palatine tonsils

Teeth

Primary or deciduous teeth—20

Permanent teeth—32

Types of teeth

Incisor—8

Central—4

Lateral—4

Cuspid—4

Bicuspid or Premolar—8

First—4

Second—4

Molar—12

First—4

Second—4

Third—4

Anatomy of a tooth

Root

Crown

- Enamel
- Dentin
- Cementum
- Periodontal membrane
- Pulp cavity
- Root canal
- Gingiva

Tongue

- Lingual tonsils
- Epiglottis
- Palatine tonsils
- Root
- Body
- Lingual frenulum
- Papillae
  - Filiform
  - Fungiform
  - Vallate
- Taste buds

Salivary glands

- Parotid glands
- Submandibular glands
- Sublingual glands
- Salivary amylase
- Mucin

\*Pharynx

- \*Nasopharynx
- \*Oropharynx
- \*Laryngopharynx

Esophagus and Stomach

- Esophagus
- Peristalsis
- Stomach
  - Cardiac (lower esophageal) sphincter
  - Areas
    - \*Cardiac region
    - Fundus
    - Pyloric region
    - Body
  - Chyme
  - Pyloric sphincter
  - \*Rugae
  - Gastric glands (gastric pits)
  - Mucus or goblet cell
    - Mucus
    - \*Histamine

Chief cells

\*Pepsinogen

\*Gastric lipase

Parietal cells

\*Intrinsic factor

Hydrochloric acid

\*Somatostatin

Gastric Juice

Small Intestine

Divisions

Duodenum

Jejunum

Ileum

Contents

Chyme

Structures

Villi

\*Capillary bed

\*Lacteal

\*Microvilli

\*Intestinal glands

Large Intestine

Divisions

Cecum

Appendix

Ascending colon

\*Hepatic flexure

Transverse colon

\*Splenic flexure

Descending colon

Sigmoid colon

Rectum

Anus

Internal anal sphincter

External anal sphincter

Ileocecal valve

\*Haustra

\*Tenia coli

### Module 3

Accessory Organs of Digestion other than salivary glands

Liver

Know functions of liver

Hepatic duct

Common bile duct

Gall bladder

Know functions

Cystic duct

Pancreas

Know functions, both endocrine and exocrine

Pancreatic duct

Hepatopancreatic ampulla

\*Acinar cells

\*Bicarbonate secretion

\*Pancreatic juice