

Training questions on digestive system

I) Choose the best correct answer

- 1) Causes of peptic ulcer are**
 - a) high acid and peptic content of gastric juice**
 - b) irritation**
 - c) poor blood supply**
 - d) poor secretion of mucus**
 - e) infection**
 - f) decrease in salivary secretion**
 - g) a, b, c, d and f**
 - h) a, b, c, d and e**

- 2) Constipation may result from**
 - a) a defect in defecation reflexes**
 - b) spasm in a sigmoid colon**
 - c) either of both**

- 3) Myenteric (Auerbach's) plexus**
 - a) is lying between longitudinal and circular muscle layers.**
 - b) controls mainly the GIT movements**
 - c) is found in the submucosa**
 - d) controls mainly GIT secretions and local blood flow**
 - e) a and b**
 - f) c and d**

- 4) Enterocrinin stimulates the secretion of**
 - a) intestinal juice**
 - b) gastric juice**
 - c) pancreatic juice**
 - d) salivary juice**

- 5) The primary center for defecation is found in**
 - a) the lumbar segment of the spinal cord**
 - b) the sacral segment of the spinal cord**
 - c) the cervical segment of the spinal cord**
 - d) the thoracic segment of the spinal cord**

- 6) In the regulation of gastric secretion, gastric phase**
 - a) begins when food enters stomach**
 - b) is mediated only by neural control through vagus nerve**
 - c) is mediated only by hormonal control through gastrin**
 - d) is mediated only by neural and hormonal controls**
 - e) a and b**
 - f) a and c**
 - g) a and d**

II) Mark true or false beneath each sentence and correct the wrong meanings:

- 1- The water soluble end products of digestion are absorbed into blood that is collected into hepatic vein which enter liver.**
- 2- Pancreas is an exocrine gland because it secretes insulin and glucagon from islets of Langerhans into blood and it is also an endocrine gland as it secretes pancreatic juice into duodenum from pancreatic acini.**
- 3- Segmentation movements are responsible for propulsion of food in the GIT tract while strong peristalsis is mainly concerned with mixing.**
- 4- Enterogastrone inhibits the secretion of gastric juice from stomach.**
- 5- Pepsinogen is activated to pepsin by enterokinase (enteropeptidase) in the stomach.**
- 6- Secretin increases secretion of pancreatic juice rich in enzymes and low in bicarbonates.**
- 7- The fat-soluble products of digestion are absorbed by small intestine into the blood while water-soluble products of digestion are absorbed into lymph.**
- 8- After 2 years of birth, the involuntary reflexes of defecation and micturition can not be inhibited by inhibitory voluntary impulses from the cerebral cortex.**
- 9- During the oral phase of swallowing, the soft palate closes the larynx and the epiglottis closes the internal nasal opening.**
- 10-After transfer of chyme, the secretion of cholecystokinin-pancreozymin is stimulated first before secretin.**
- 11-Vomiting is controlled by reflex mechanism and center present in the floor of the fourth ventricle of medulla oblongata.**

III) Mention the functions of two only of the following:

1- Saliva

2- Liver

3- Stomach