

Digestive system

1. Calcium deficiency in the body occurs in the absence of

- (a) vitamin C
- (b) vitamin D
- (c) vitamin B
- (d) vitamin E.

2. The vitamin C or ascorbic acid prevents

- (a) scurvy
- (b) antibody synthesis
- (c) rickets
- (d) pellagra.

3. A polysaccharide which is synthesized and stored in liver cells is

- (a) arabinose
- (b) glycogen
- (c) lactose
- (d) galactose.

4. Secretin stimulates production of

- (a) saliva
- (b) gastric juice
- (c) bile
- (d) pancreatic juice.

5. Emulsification of fat is carried out by

- (a) bile pigments
- (b) bile salts
- (c) HCl
- (d) pancreatic juice.

6. In man the zymogen or chief cells are mainly found in

- (a) cardiac part of stomach
- (b) pyloric part of stomach
- (c) duodenum

(d) fundic part of stomach.

7. Pancreatic juice and hormones of pancreas are produced by

- (a) same cells
- (b) same cells at different times
- (c) statement is wrong
- (d) different cells.

8. Where is protein digestion accomplished?

- (a) stomach
- (b) ileum
- (c) rectum
- (d) duodenum.

9. Pancreas produces

- (a) three digestive enzymes and one hormone
- (b) three types of digestive enzymes and two hormones
- (c) two digestive enzymes and one hormone
- (d) three digestive enzymes and no hormone.

10. Brunner's glands occur in

- (a) submucosa of duodenum
- (b) submucosa of stomach
- (c) mucosa of oesophagus
- (d) mucosa of ileum.

11. Kupffer's cells occur in

- (a) spleen
- (b) kidney
- (c) brain
- (d) liver.

12. Secretion of gastric juice is stopped by

- (a) gastrin
- (b) pancreaticozym
- (c) cholecystokinin

(d) enterogastrone.

13. Vitamin K is required for

- (a) change of prothrombin into thrombin
- (b) synthesis of prothrombin
- (c) change of fibrinogen to fibrin
- (d) formation of thromboplastin.

14. Most of the fat digestion occurs in

- (a) rectum
- (b) stomach
- (c) duodenum
- (d) small intestine.

15. Which of the following pair is characterised by swollen lips, thick pigmented skin of hands and legs and irritability?

- (a) thiamine – beri-beri
- (b) protein – kwashiorkor
- (c) nicotinamide – pellagra
- (d) iodine – goitre.

16. Which of the following is correct pairing of site of action and substrate of rennin?

- (a) mouth – starch
- (b) small intestine – protein
- (c) stomach – casein
- (d) stomach – fat.

17. Prolonged deficiency of nicotinic acid causes

- (a) pellagra
- (b) xerophthalmia
- (c) osteomalacia
- (d) anaemia.

18. Which of the following is the function of enterogastrone?

- (a) it inhibits the secretion of gastric juice
- (b) it stimulates the secretion of digestive juices in the stomach

(c) it stimulates the flow of pancreatic juice

(d) it regulates the flow of bile.

Answers Key

1.(b) 2.(a) 3.(b) 4.(d) 5.(b) 6.(d) 7.(d) 8.(b) 9.(b) 10.(a)

11.(d) 12.(d) 13.(b) 14.(d) 15.(c) 16.(c) 17.(a) 18.(a)