

GURUDAS COLLEGE  
DEPARTMENT OF BIOCHEMISTRY  
5<sup>st</sup> SEMESTER HONOURS  
INTERNAL ASSESSMENT-2020  
PAPER-CC12

Answer all questions.

1. Pituitary gland known as the 'master' endocrine gland is under the control of
  - A Pineal gland
  - B Adrenal gland
  - C Hypothalamus
  - D Thyroid gland
2. **Islets of Langerhans are found in**
  - A Anterior Pituitary
  - B Kidney Cortex
  - C Spleen
  - D Endocrine pancreas
3. **Which one of the following statements is not correct about intestinal villi?**
  - A A multitudinous finger-like projections having many microvilli
  - B Increase the internal surface area of the intestinal wall.
  - C Supplied with capillaries and the lacteal vessels
  - D Participate only in digestion of fats
4. **The following list describes four major digestive enzymes. Which one of the following is incorrect?**
  - A Salivary amylase - Salivary glands - Mouth
  - B Pepsin - Gastric glands - Stomach
  - C Nuclease - Small intestine - Stomach
  - D Lipase - Pancreas - Small intestine
5. **Carrier ions like Na<sup>+</sup> facilitate the absorption of substances like**
  - A Fructose and some amino acids
  - B Amino acids and glucose

- C Glucose and fatty acids
- D Fatty acids and glycerol

**6. Which one of the following is the correct matching of the site of action on the given substrate, the enzyme acting upon it and the end product?**

- (1) **Stomach:** Fats —Lipase—► micelles
- (2) **Duodenum:** Triglycerides —Trypsin—► monoglycerides
- (3) **Small intestine:** Starch —( $\alpha$ )Amylase—► Disaccharide (Maltose)
- (4) **Small intestine:** Proteins —Pepsin—► Amino acids

- A (1)
- B (2)
- C (3)
- D (4)

**7. Bile contribution to digestion is**

- A Nucleic acid metabolism
- B Phagocytosis
- C Emulsification of dietary lipids
- D Carbohydrate digestion

**8. What is reabsorbed through loop of Henle?**

- A Glucose
- B CO<sub>2</sub>
- C Potassium
- D Water

**9. Which of the following hormones is involved in regulating the water-salt balance of the blood?**

- A Cortisone
- B Aldosterone
- C ADH
- D ANH

**10. Each of the alveolar sac is surrounded by**

- A capillaries

**B** veins

**C** arteries

**D** primarily lymphatic ducts